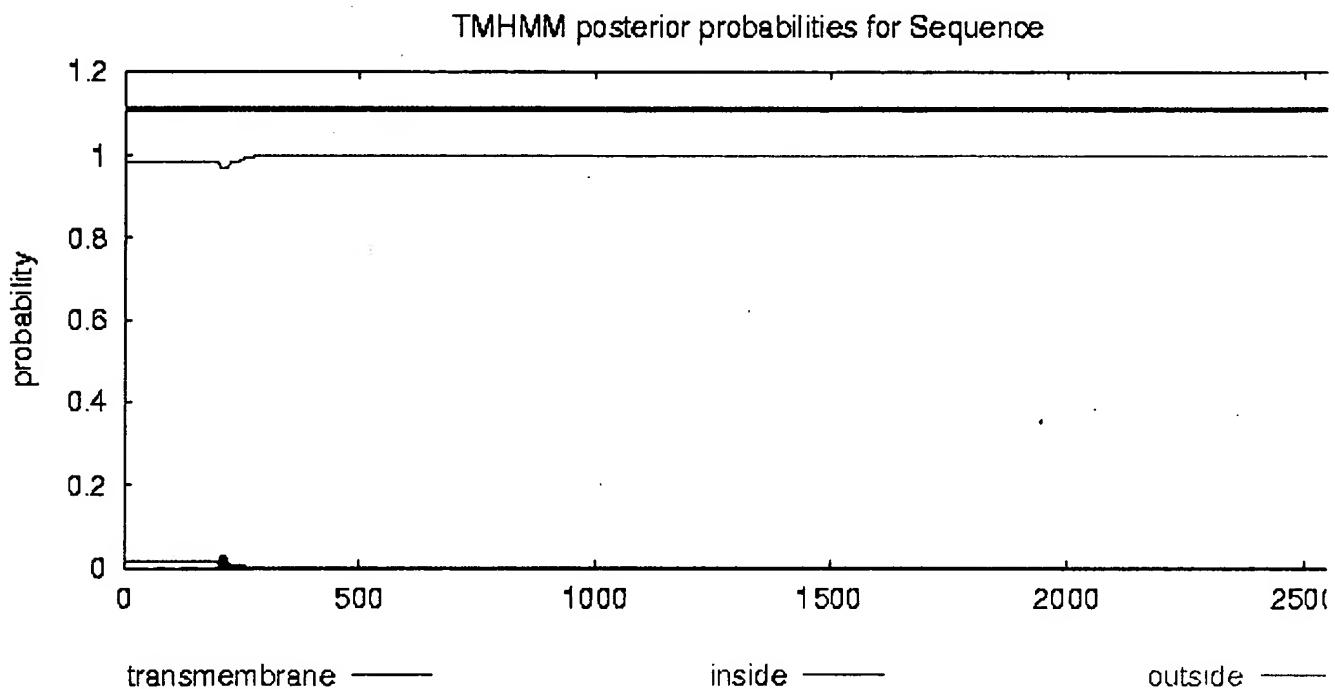


## TMHMM result



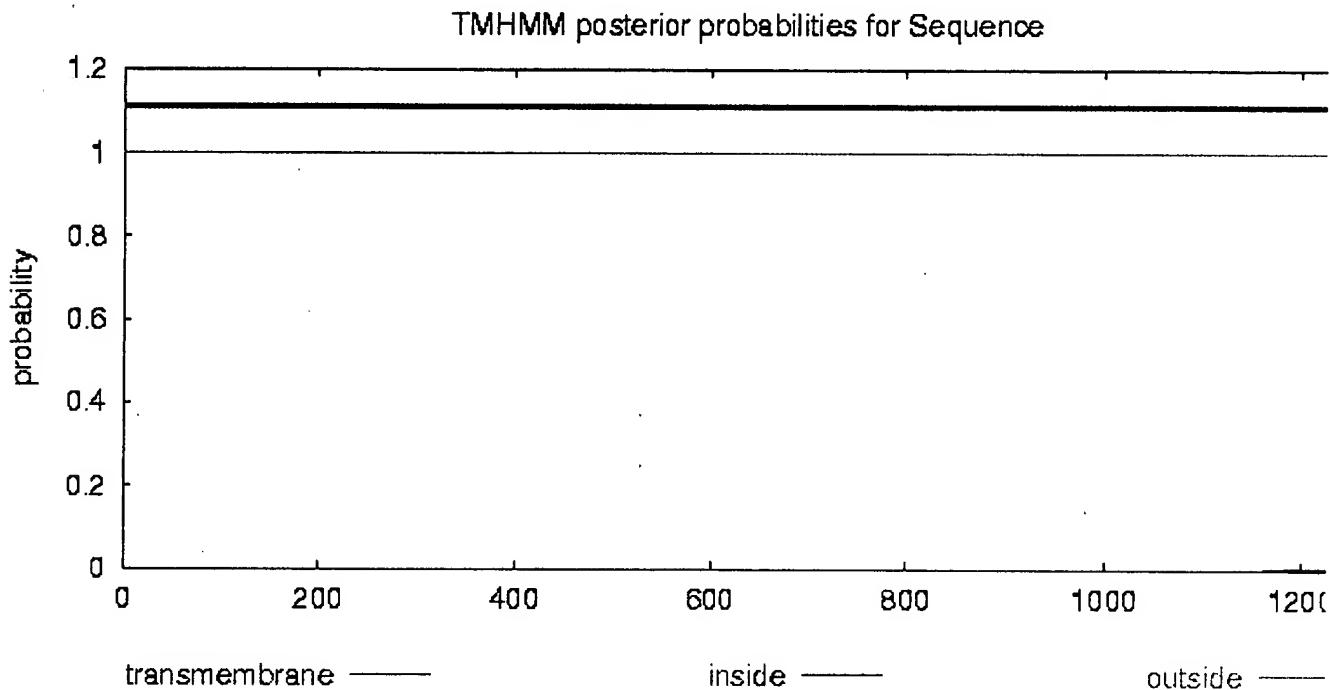
# plot in postscript, script for making the plot in gnuplot, data for plot

FIG. 1

## TMHMM result

---

```
# Sequence Length: 1271
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.04016
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00000
Sequence      TMHMM2.0      outside      1 1271
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

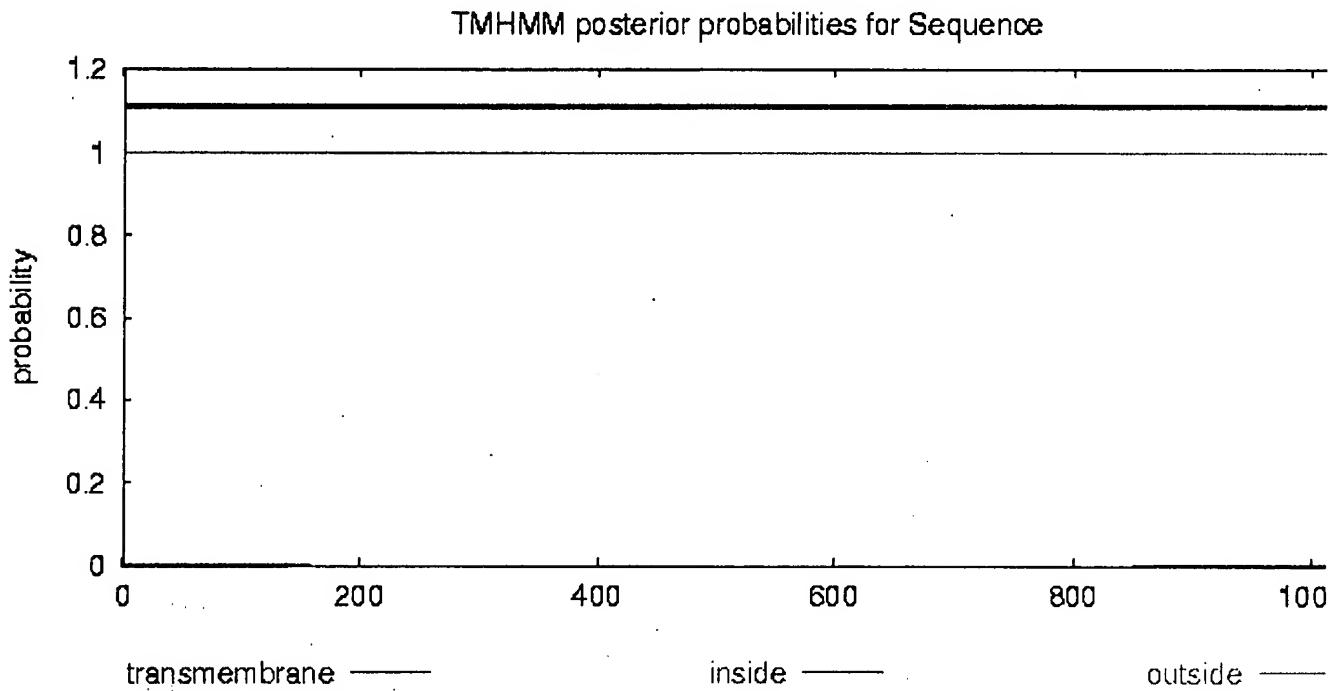
---

**FIG. 2**

## TMHMM result

---

```
# Sequence Length: 1050
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.02718
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00036
Sequence      TMHMM2.0      outside      1  1050
```



---

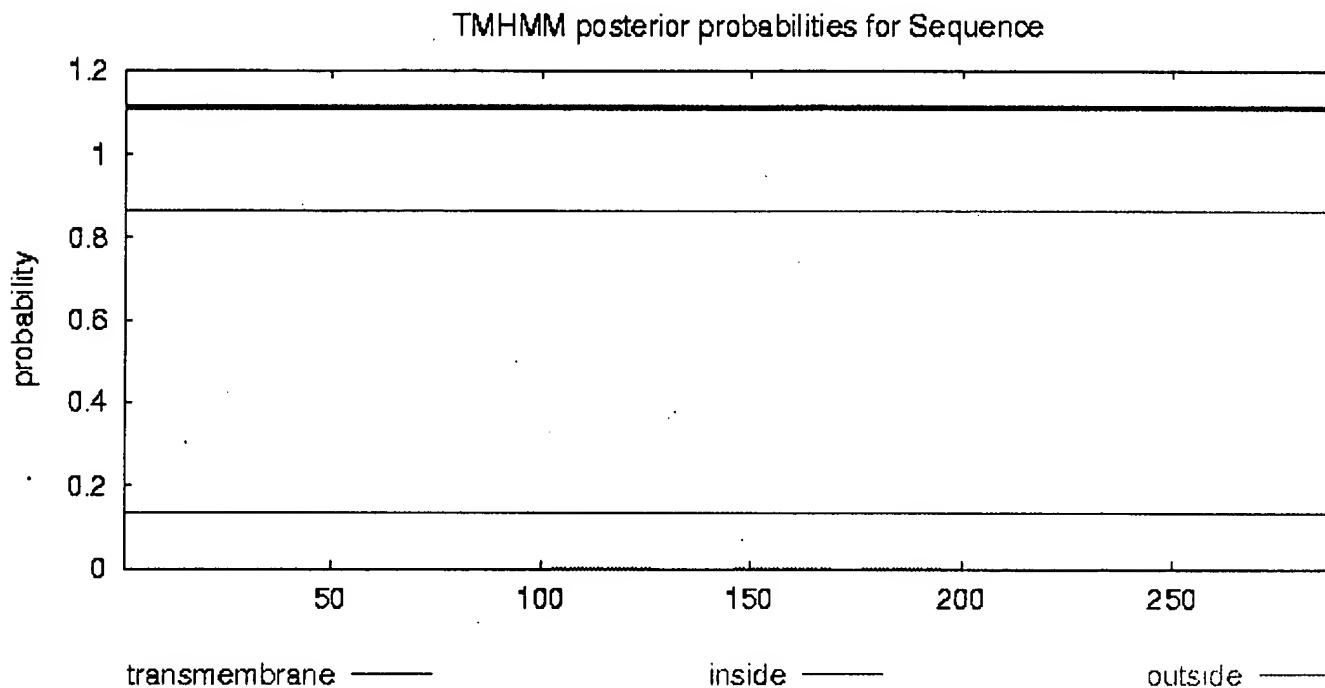
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 3**

## TMHMM result

---

```
# Sequence Length: 297
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.03228
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.13505
Sequence      TMHMM2.0      outside      1      297
```

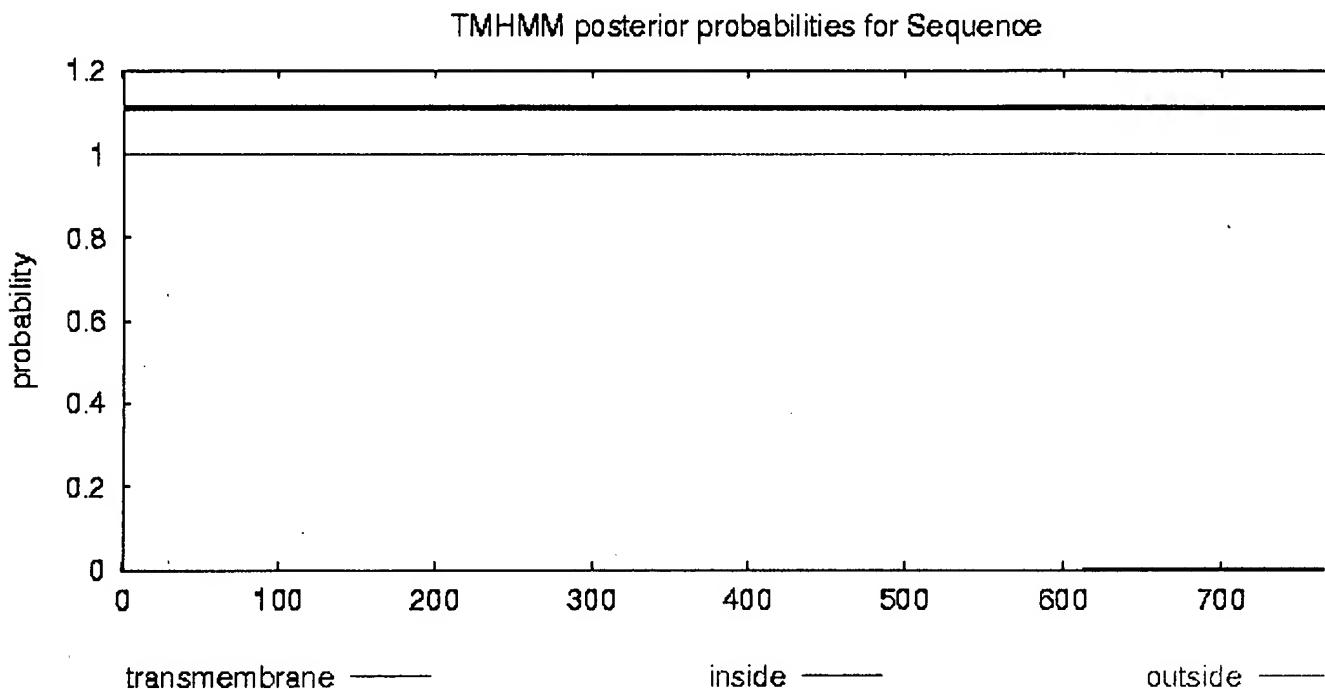


---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 4**

## TMHMM result



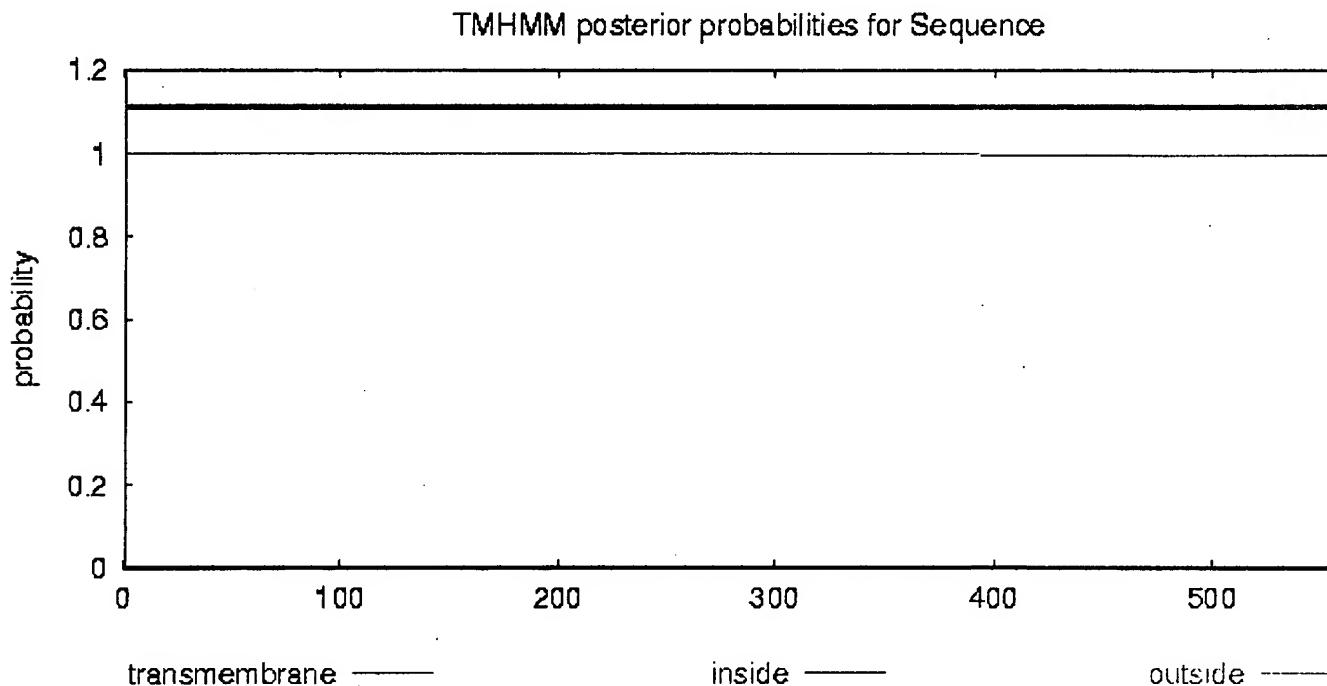
# plot in postscript, script for making the plot in gnuplot, data for plot

FIG. 5

## TMHMM result

---

```
# Sequence Length: 574
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.07423
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00057
Sequence      TMHMM2.0      outside      1      574
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

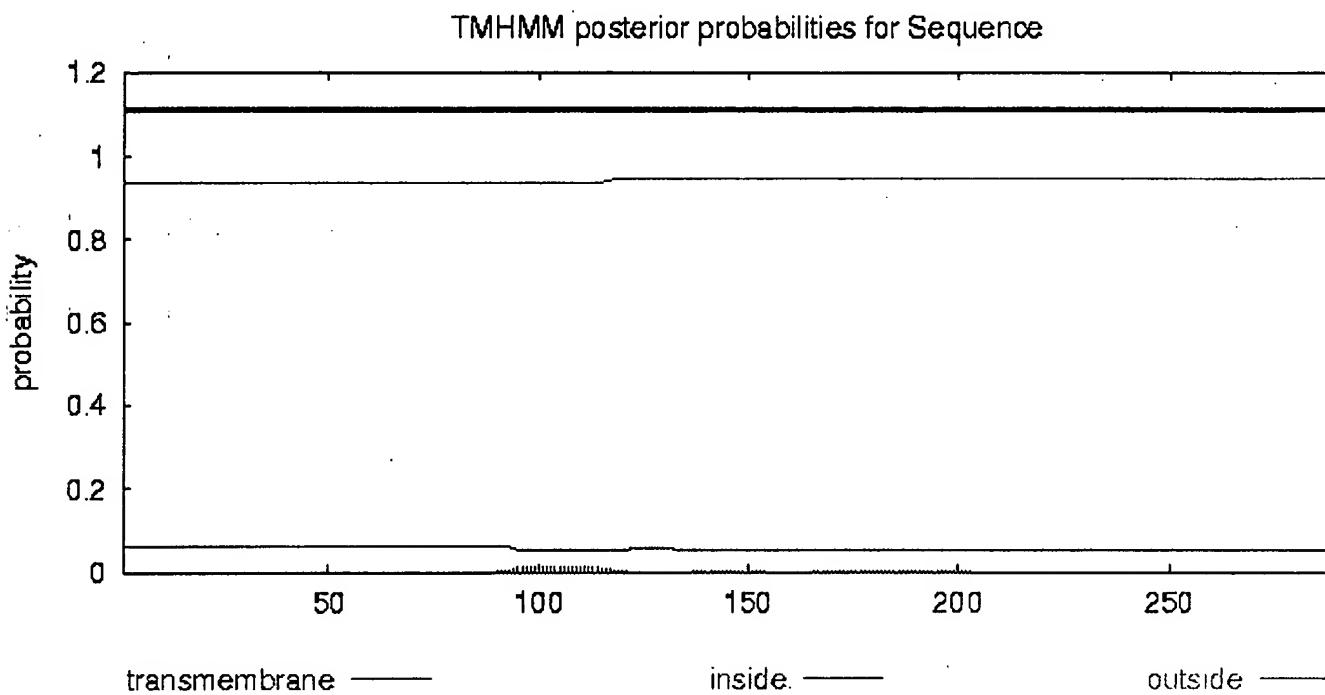
---

**FIG. 6**

## TMHMM result

---

```
# Sequence Length: 298
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.35769
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.06183
Sequence      TMHMM2.0      outside      1      298
```



---

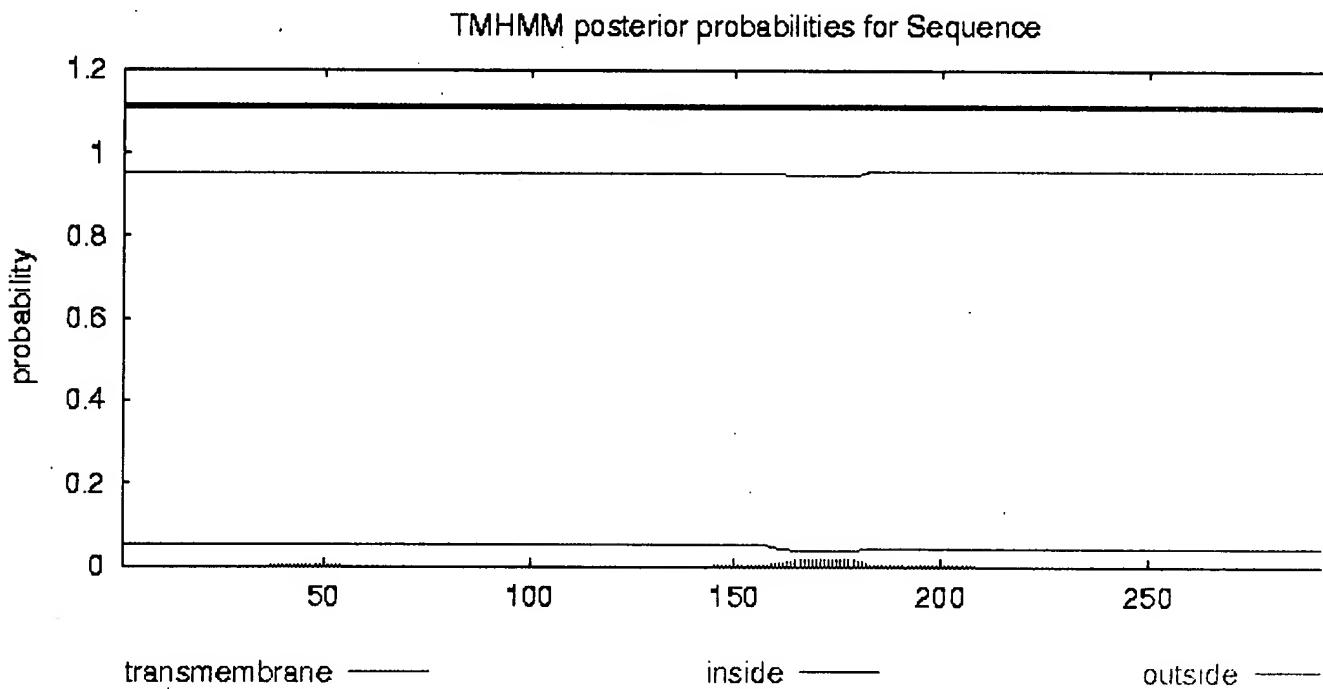
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 7**

## TMHMM result

---

```
# Sequence Length: 303
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.37755
# Sequence Exp number, first 60 AAs: 0.00576
# Sequence Total prob of N-in: 0.04943
Sequence      TMHMM2.0      outside 1 303
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

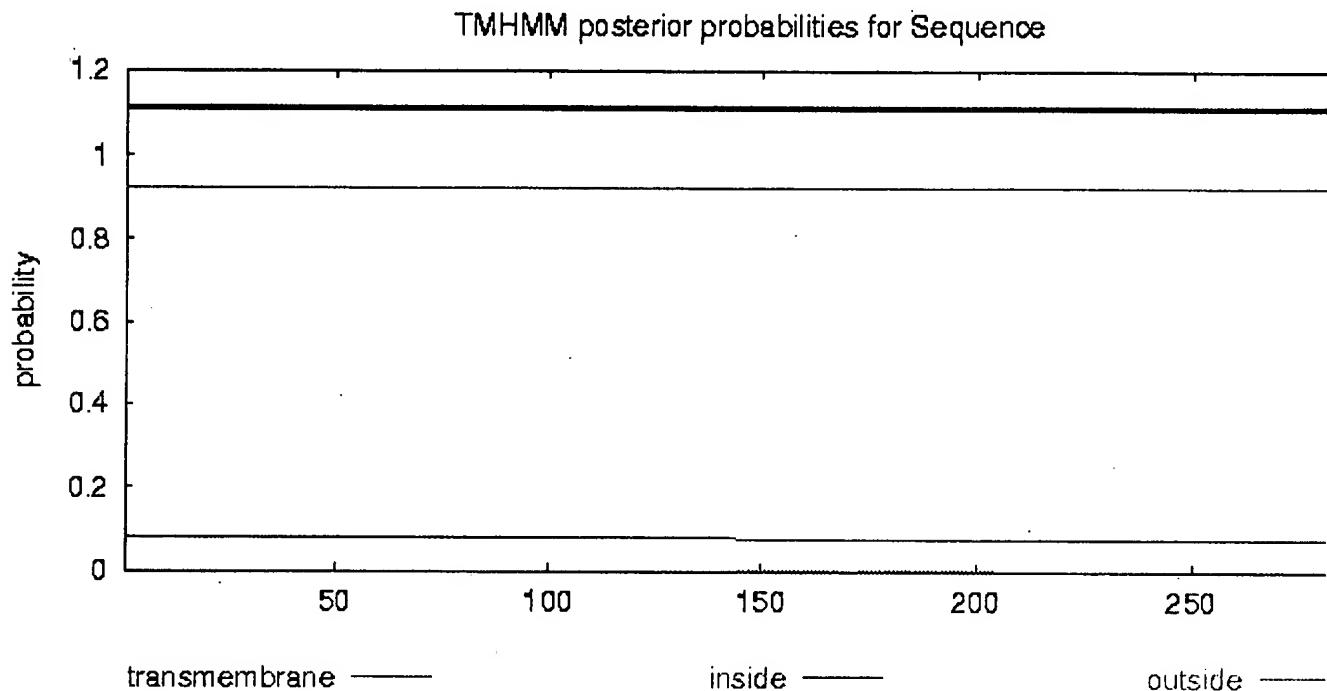
---

**FIG. 8**

## TMHMM result

---

```
# Sequence Length: 292
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.0671799999999999999999999999999999
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.07812
Sequence      TMHMM2.0      outside      1      292
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

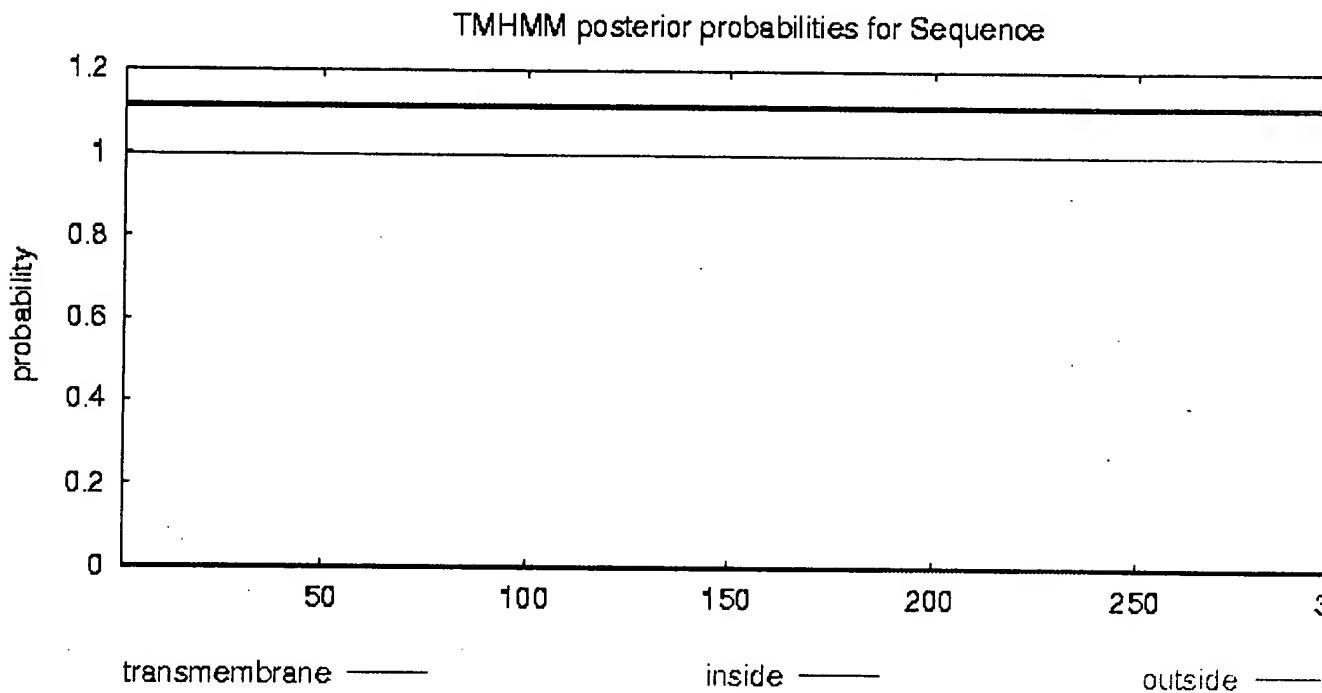
---

**FIG. 9**

## TMHMM result

---

```
# Sequence Length: 307
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.01188
# Sequence Exp number, first 60 AAs: 0.00108
# Sequence Total prob of N-in: 0.00408
Sequence      TMHMM2.0      outside      1      307
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

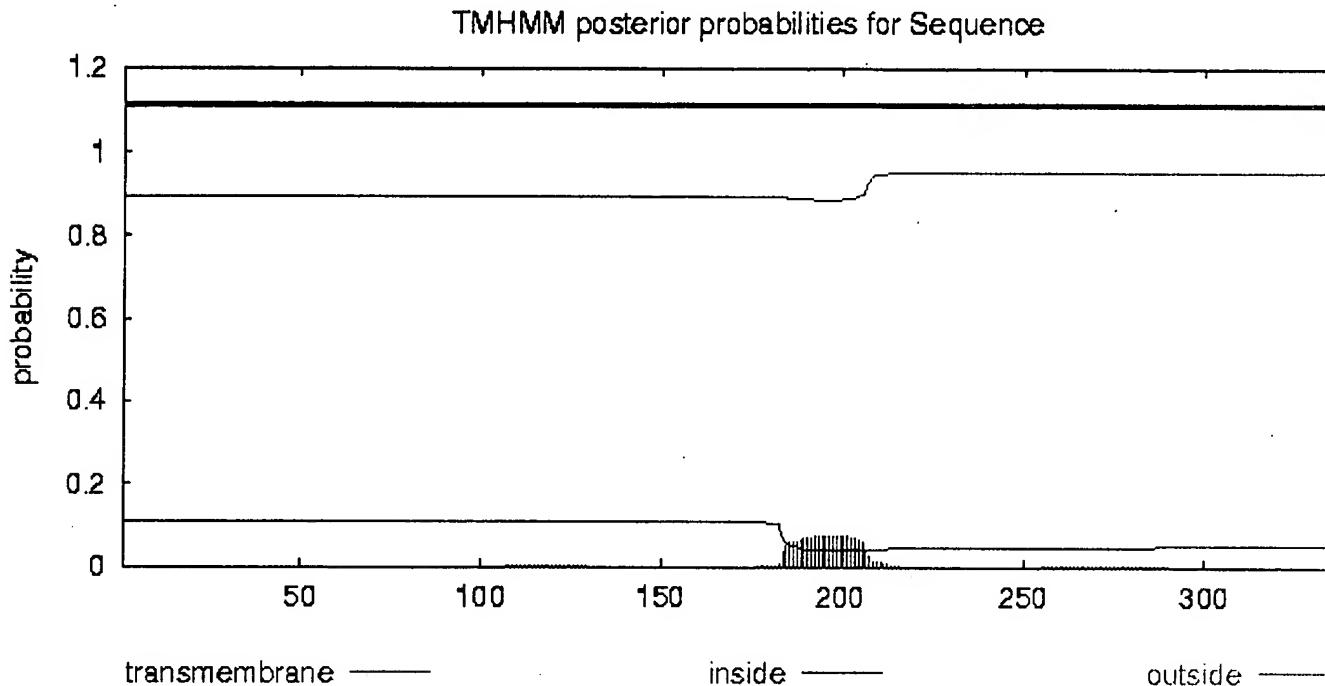
---

**FIG. 10**

## TMHMM result

---

```
# Sequence Length: 346
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 1.78207
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.10854
Sequence      TMHMM2.0      outside      1      346
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

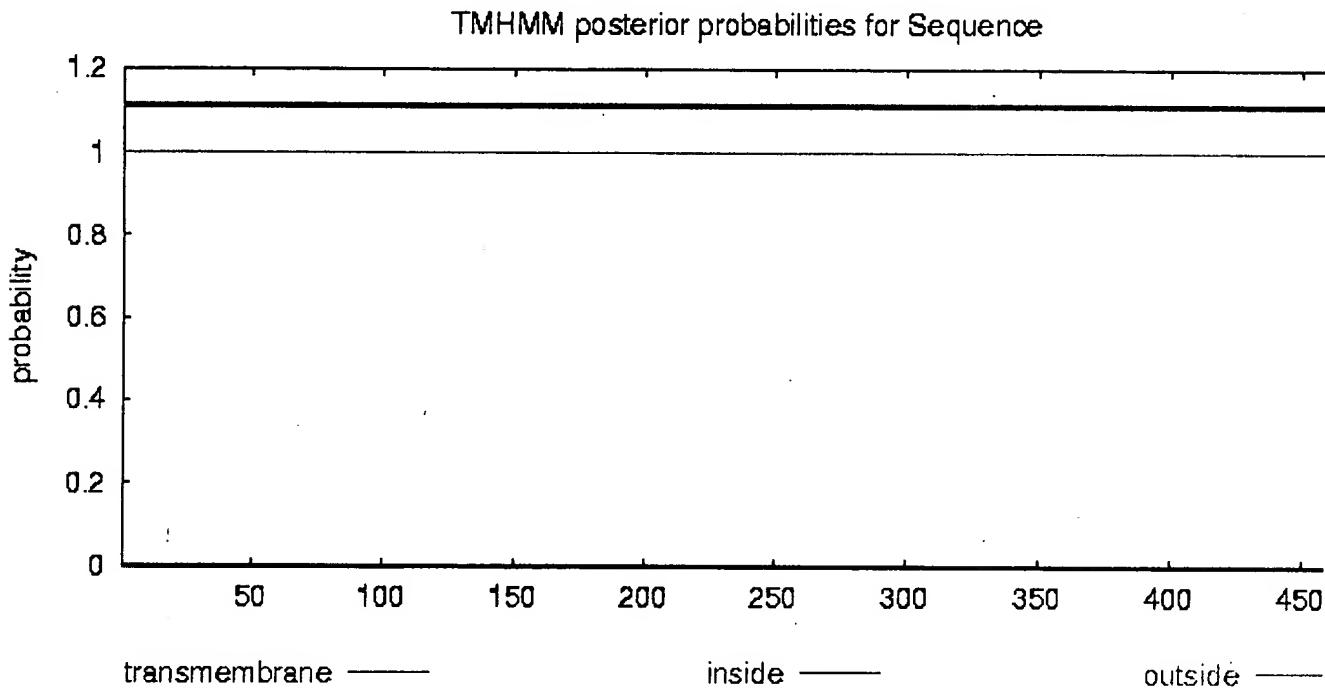
---

**FIG. 11**

## TMHMM result

---

```
# Sequence Length: 476
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.01952
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00199
Sequence      TMHMM2.0      outside      1      476
```



---

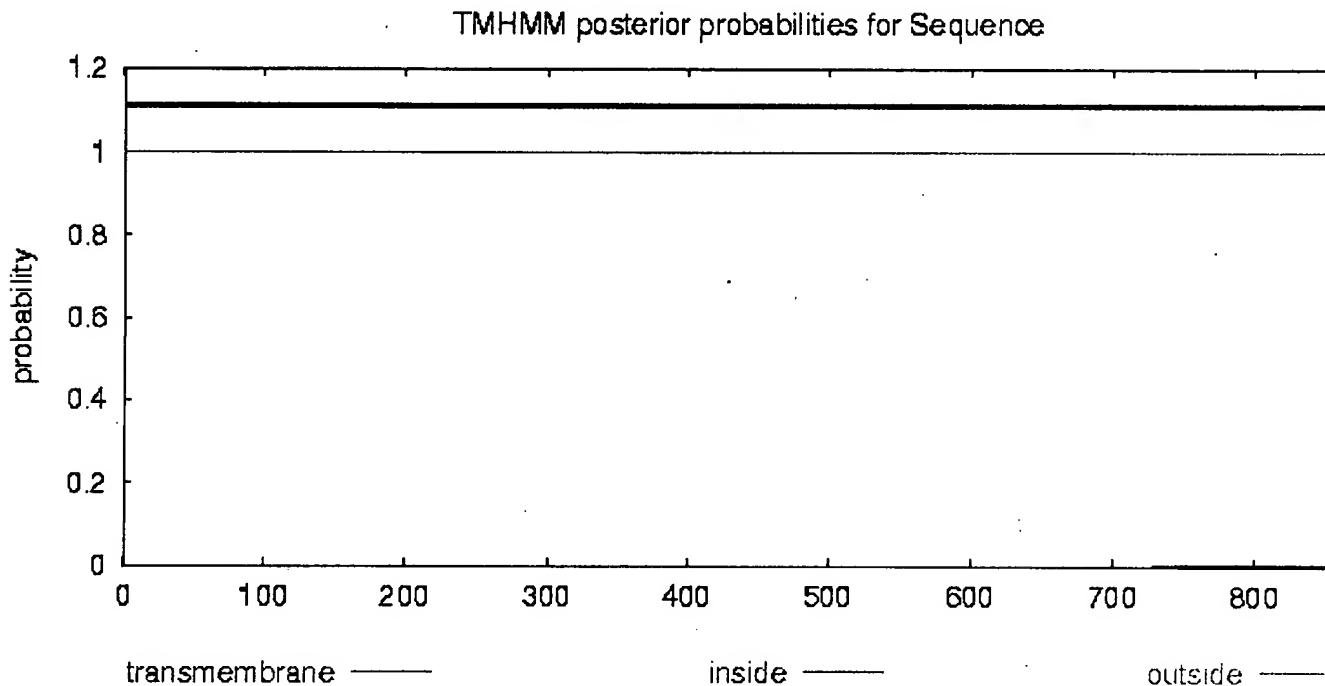
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 12**

## TMHMM result

---

```
# Sequence Length: 883
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.00884
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00009
Sequence      TMHMM2.0      outside      1      883
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

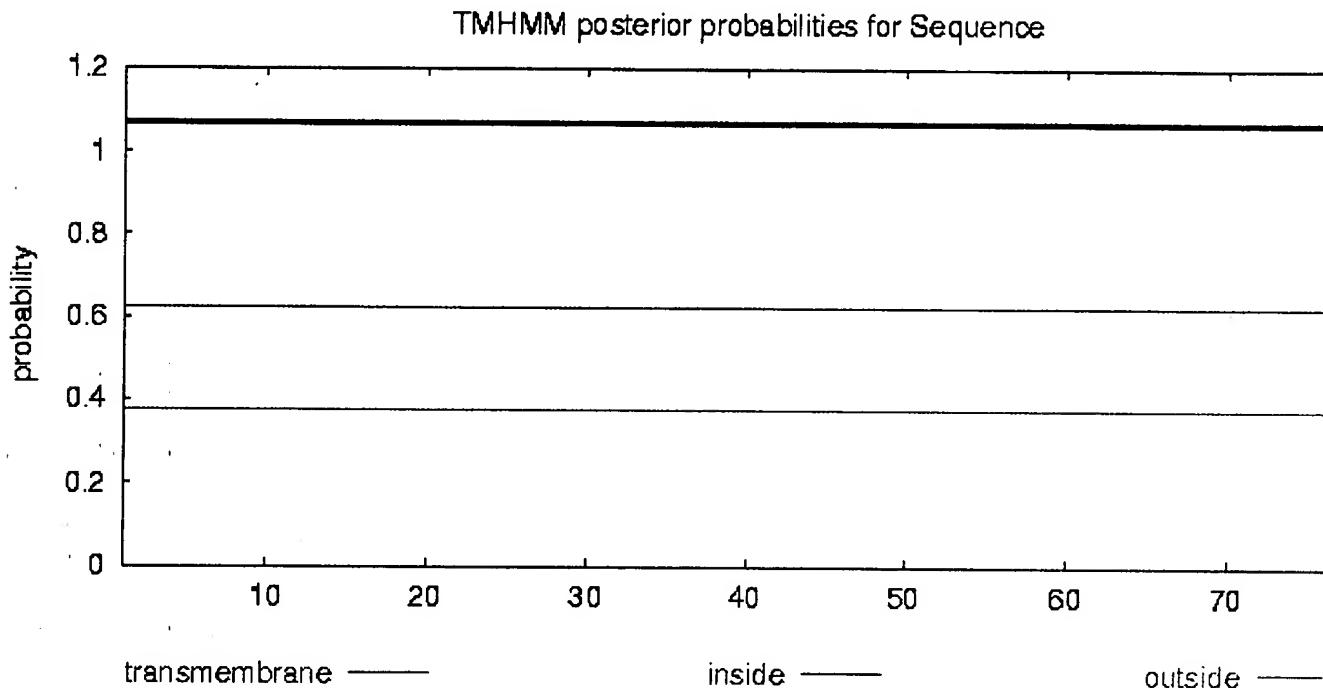
---

**FIG. 13**

## TMHMM result

---

```
# Sequence Length: 79
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.00144
# Sequence Exp number, first 60 AAs: 0.00086
# Sequence Total prob of N-in: 0.62408
Sequence      TMHMM2.0      inside      1      79
```



---

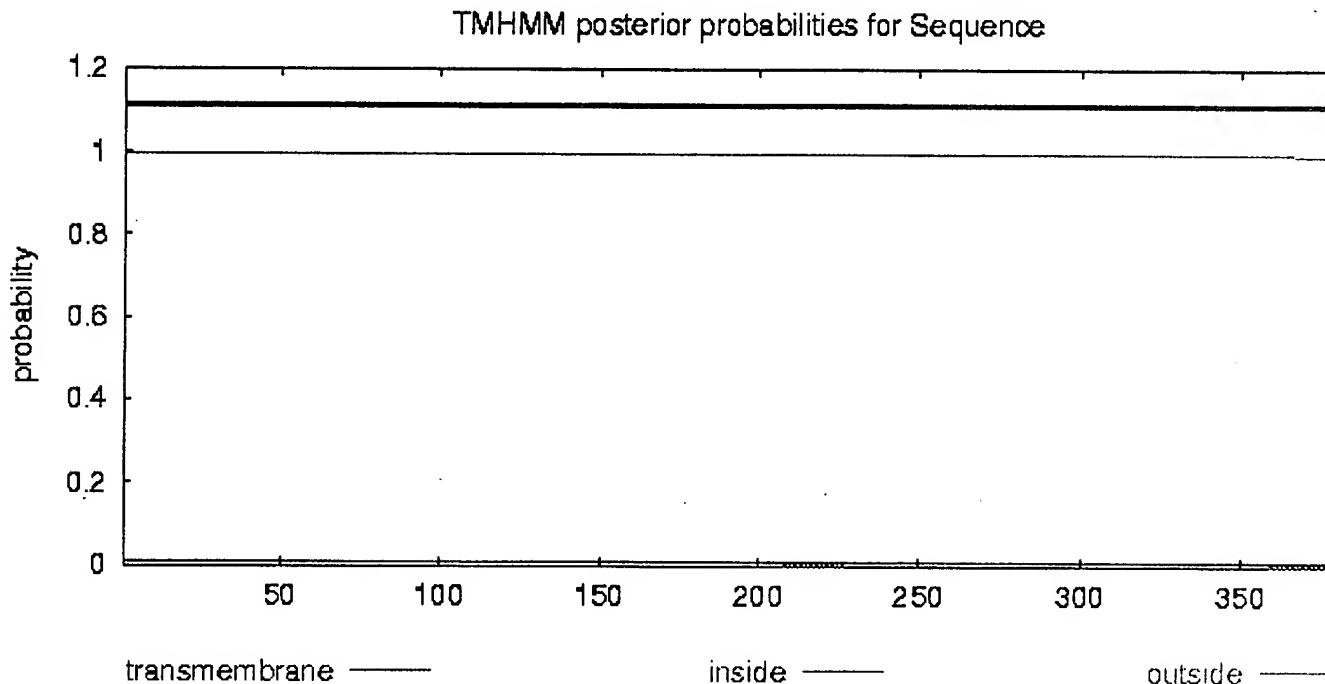
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 14**

## TMHMM result

---

```
# Sequence Length: 391
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.04215
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00646
Sequence      TMHMM2.0      outside      1      391
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

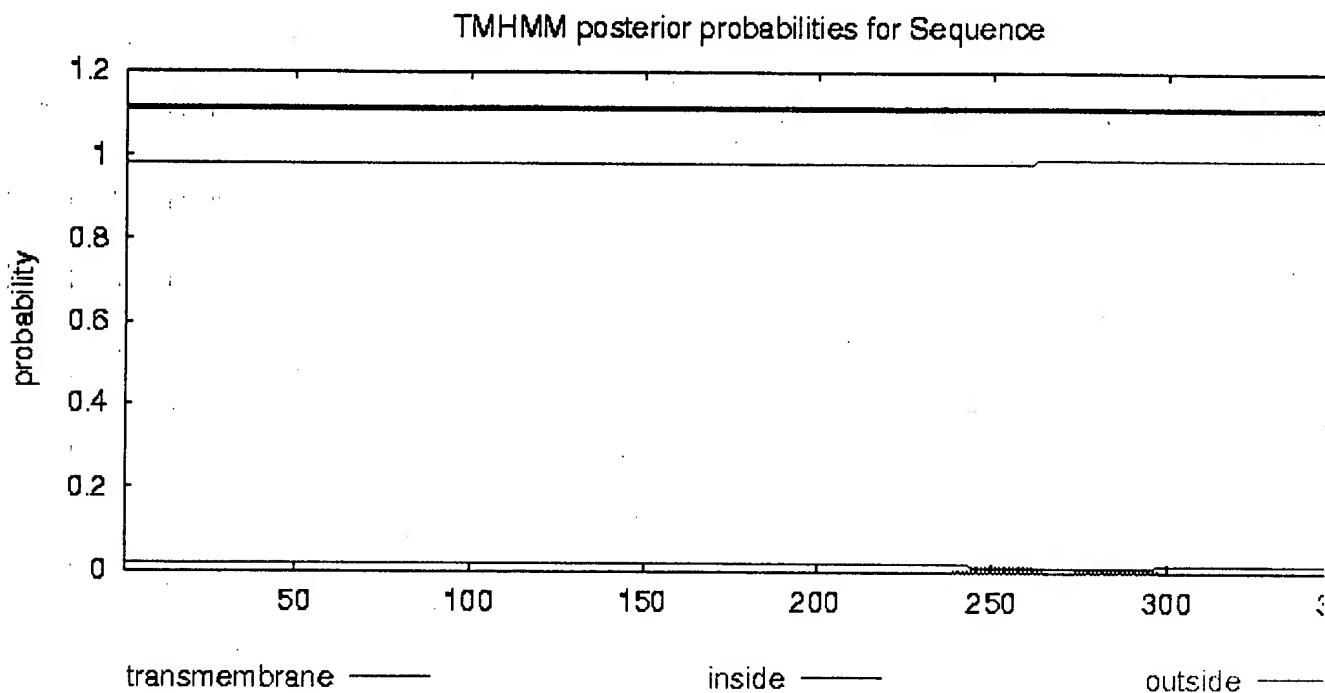
---

**FIG. 15**

## TMHMM result

---

```
# Sequence Length: 358
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.25958
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.01875
Sequence      TMHMM2.0      outside 1 358
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

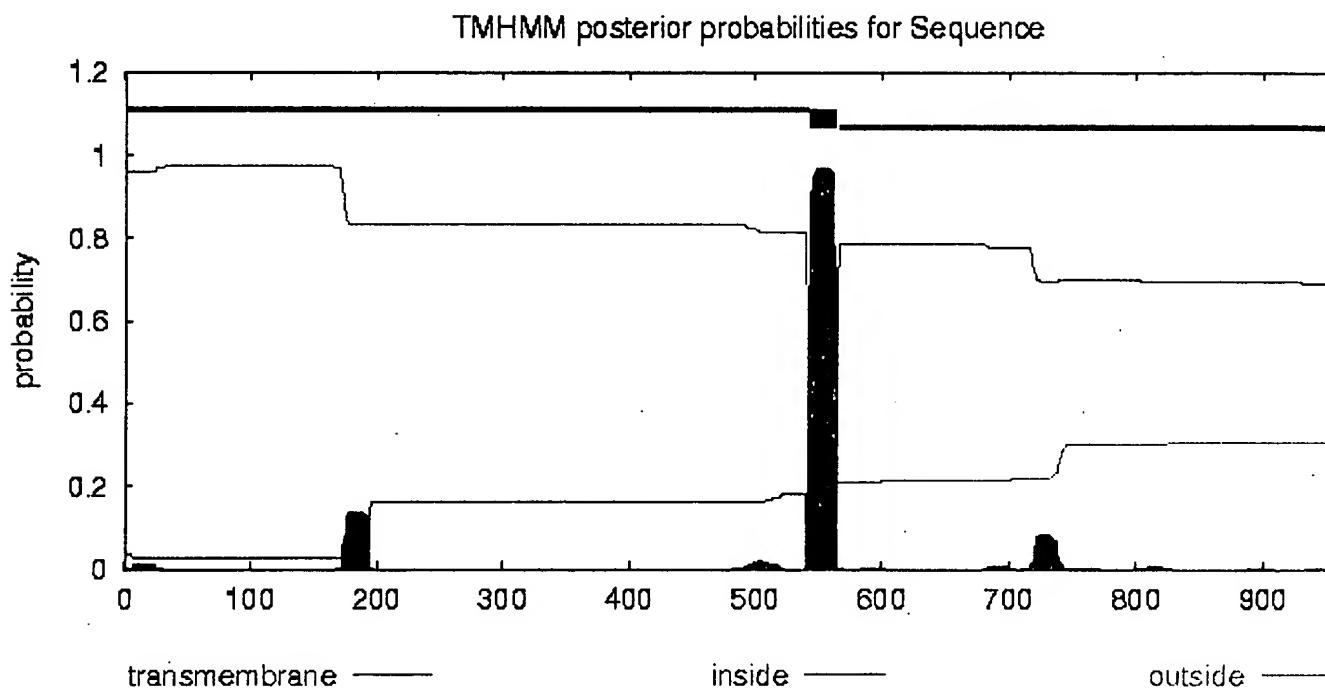
---

**FIG. 16**

## TMHMM result

---

```
# Sequence Length: 987
# Sequence Number of predicted TMHs: 1
# Sequence Exp number of AAs in TMHs: 27.57567
# Sequence Exp number, first 60 AAs: 0.24935
# Sequence Total prob of N-in: 0.03880
Sequence      TMHMM2.0      outside      1      542
Sequence      TMHMM2.0      TMhelix     543      565
Sequence      TMHMM2.0      inside      566      987
```



---

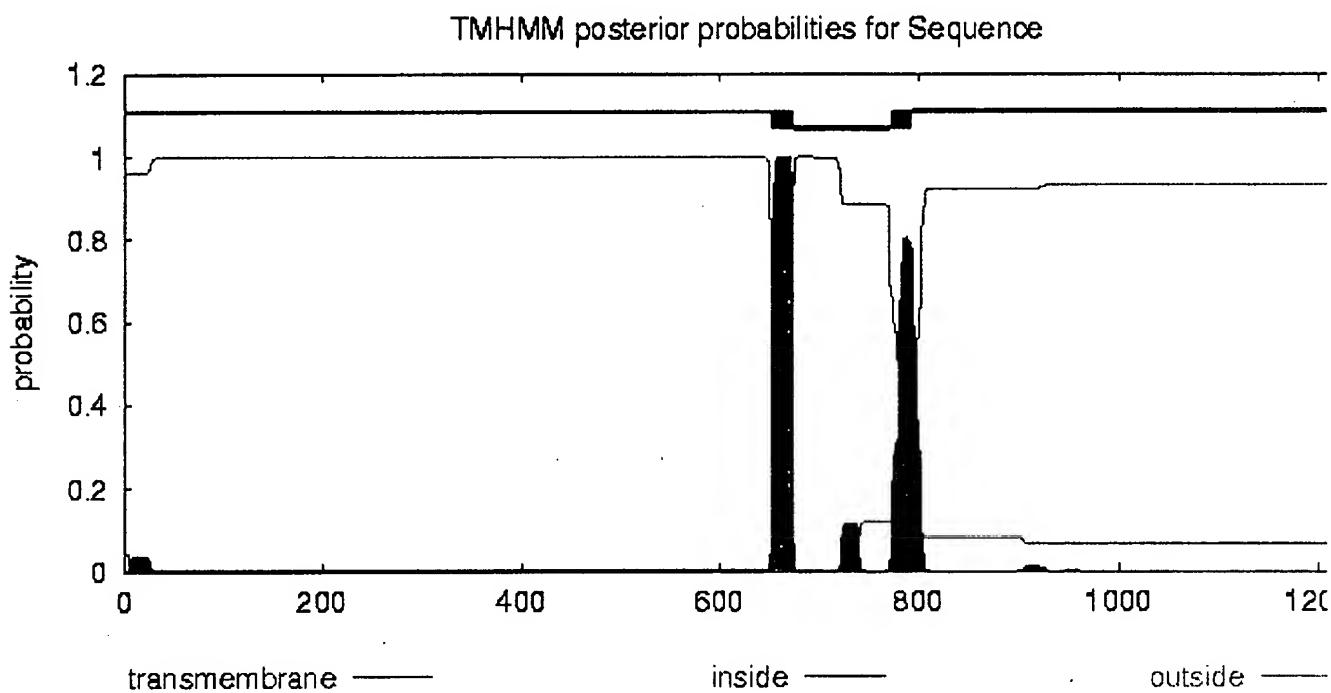
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 17**

## TMHMM result

---

```
# Sequence Length: 1255
# Sequence Number of predicted TMHs: 2
# Sequence Exp. number of AAs in TMHs: 43.43411
# Sequence Exp. number, first 60 AAs: 0.81618
# Sequence Total prob of N-in: 0.03937
Sequence      TMHMM2.0      outside 1 652
Sequence      TMHMM2.0      TMhelix 653 675
Sequence      TMHMM2.0      inside   676 771
Sequence      TMHMM2.0      TMhelix 772 794
Sequence      TMHMM2.0      outside 795 1255
```



---

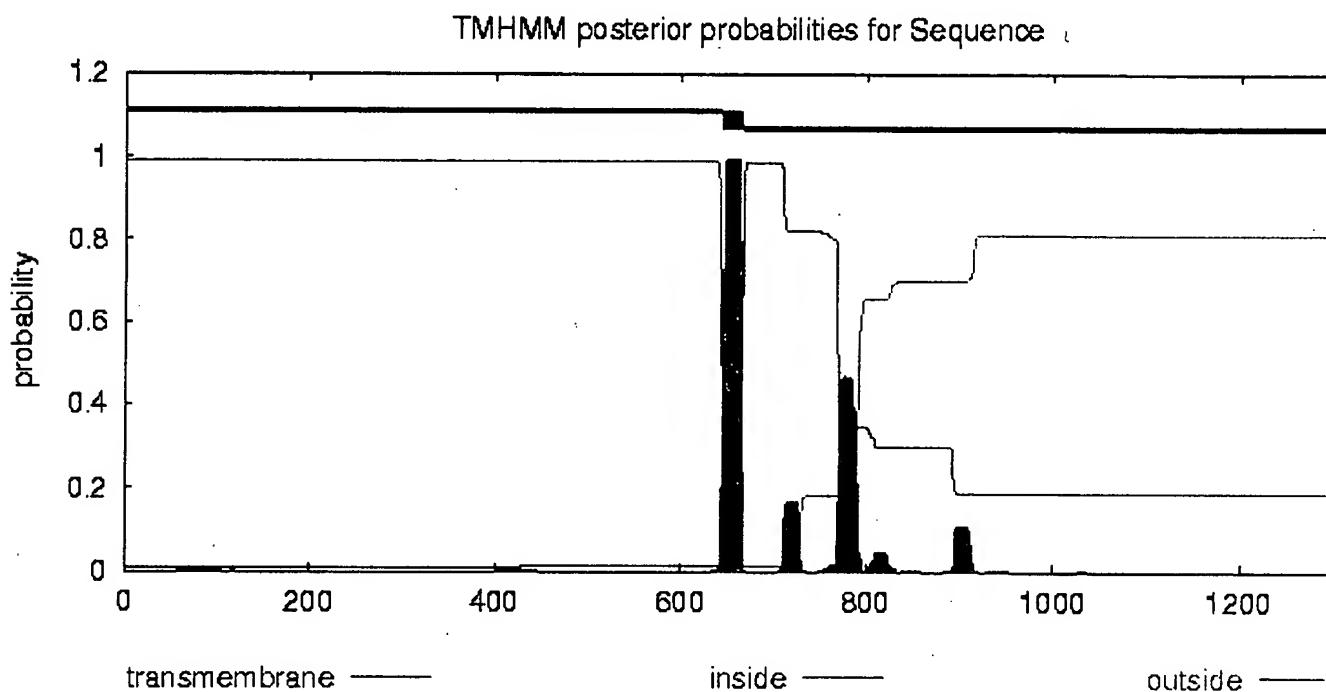
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 18**

## TMHMM result

---

```
# Sequence Length: 1342
# Sequence Number of predicted TMHs: 1
# Sequence Exp number of AAs in TMHs: 39.42148
# Sequence Exp number, first 60 AAs: 0.003
# Sequence Total prob of N-in: 0.00926
Sequence      TMHMM2.0      outside      1      643
Sequence      TMHMM2.0      TMhelix     644      666
Sequence      TMHMM2.0      inside      667     1342
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

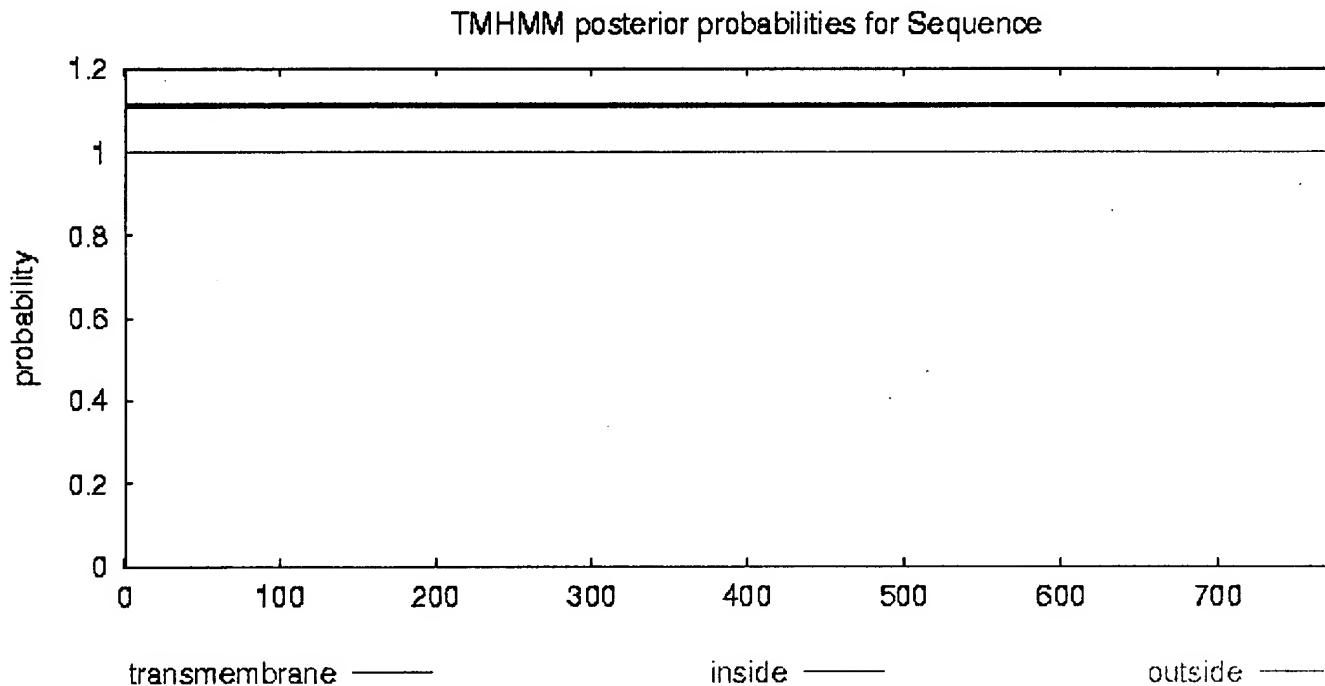
---

**FIG. 19**

## TMHMM result

---

```
# Sequence Length: 798
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.00254
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00002
Sequence          TMHMM2.0      outside 1 798
```



---

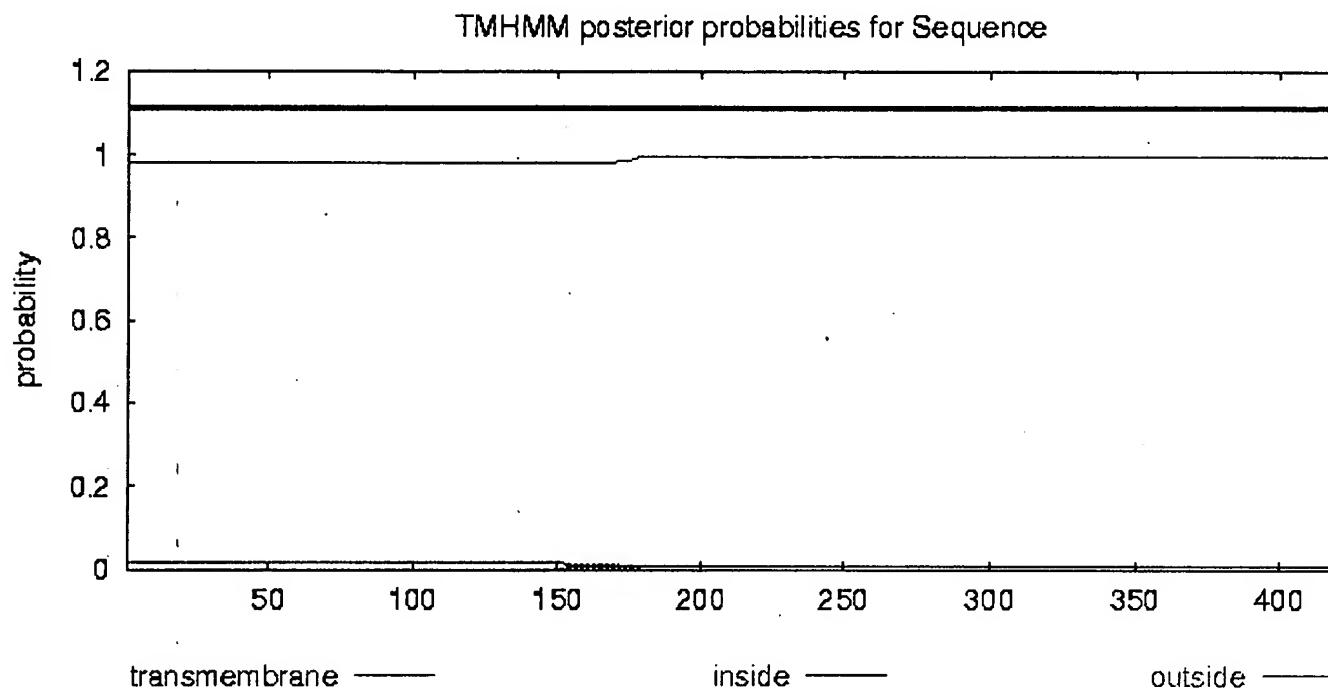
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 20**

## TMHMM result

---

```
# Sequence Length: 433
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.2403
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.01691
Sequence      TMHMM2.0      outside      1      433
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

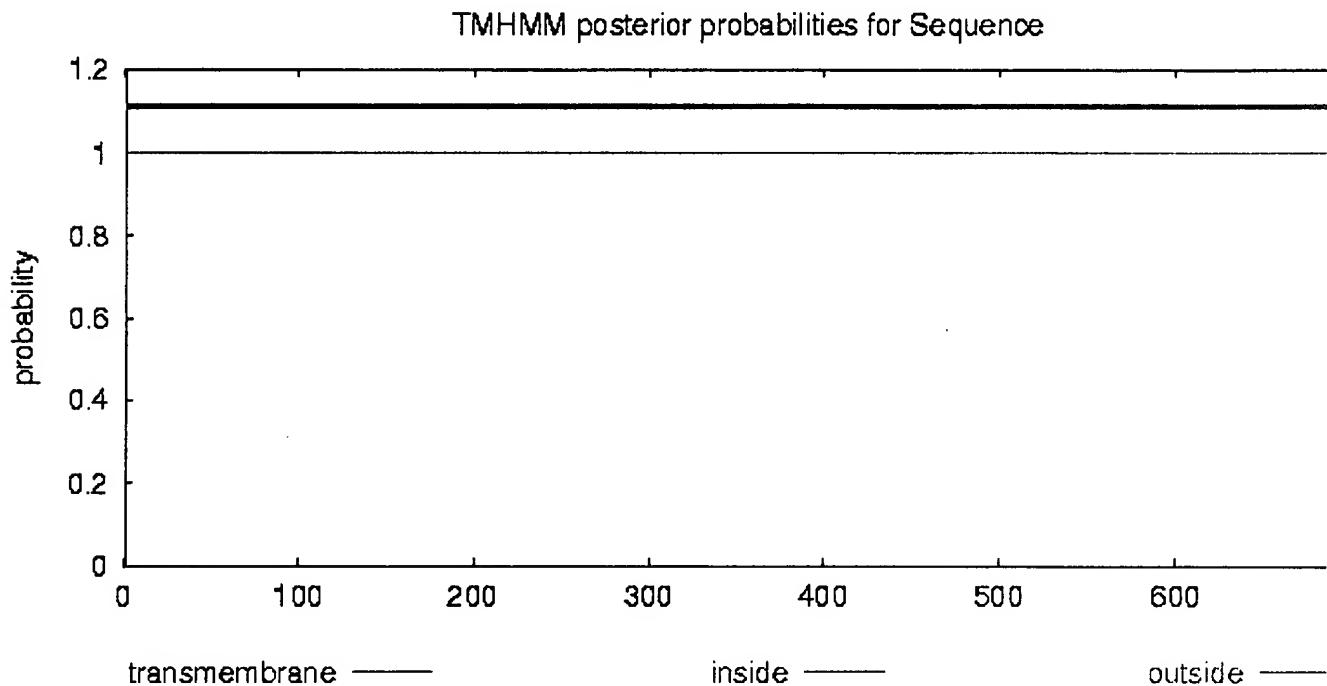
---

**FIG. 21**

## TMHMM result

---

```
# Sequence Length: 712
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.00225
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00005
Sequence      TMHMM2.0      outside      1      712
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

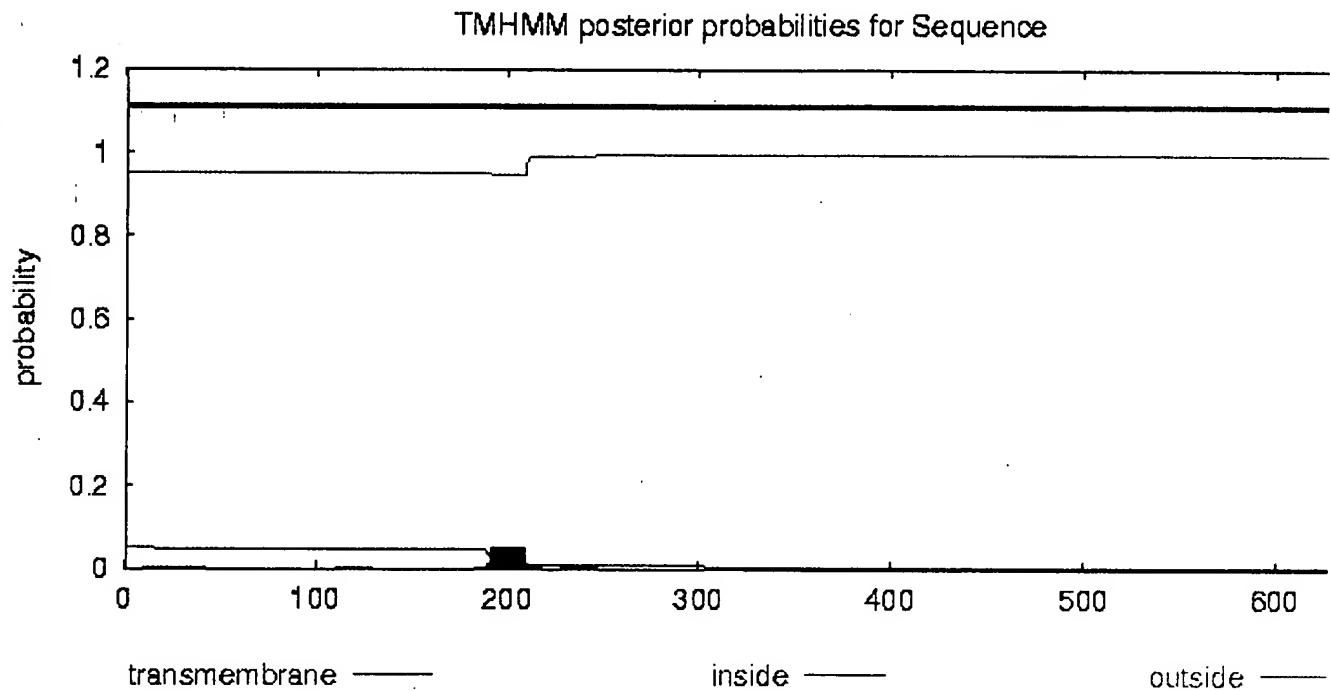
---

**FIG. 22**

## TMHMM result

---

```
# Sequence Length: 651
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 1.14076
# Sequence Exp number, first 60 AAs: 0.05393
# Sequence Total prob of N-in: 0.04895
Sequence          TMHMM2.0      outside 1 651
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

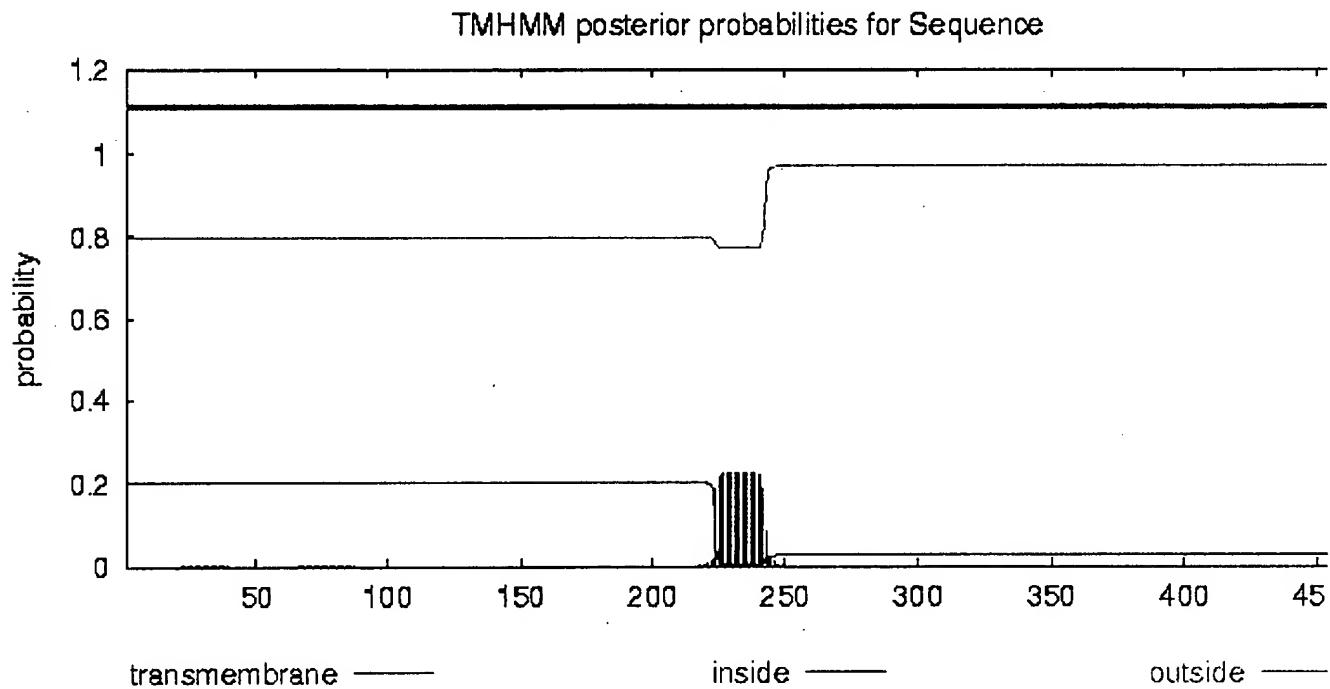
---

**FIG. 23**

## TMHMM result

---

```
# Sequence Length: 471
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 4.34322
# Sequence Exp number, first 60 AAs: 0.00351
# Sequence Total prob of N-in: 0.20302
Sequence      TMHMM2.0      outside      1      471
```



---

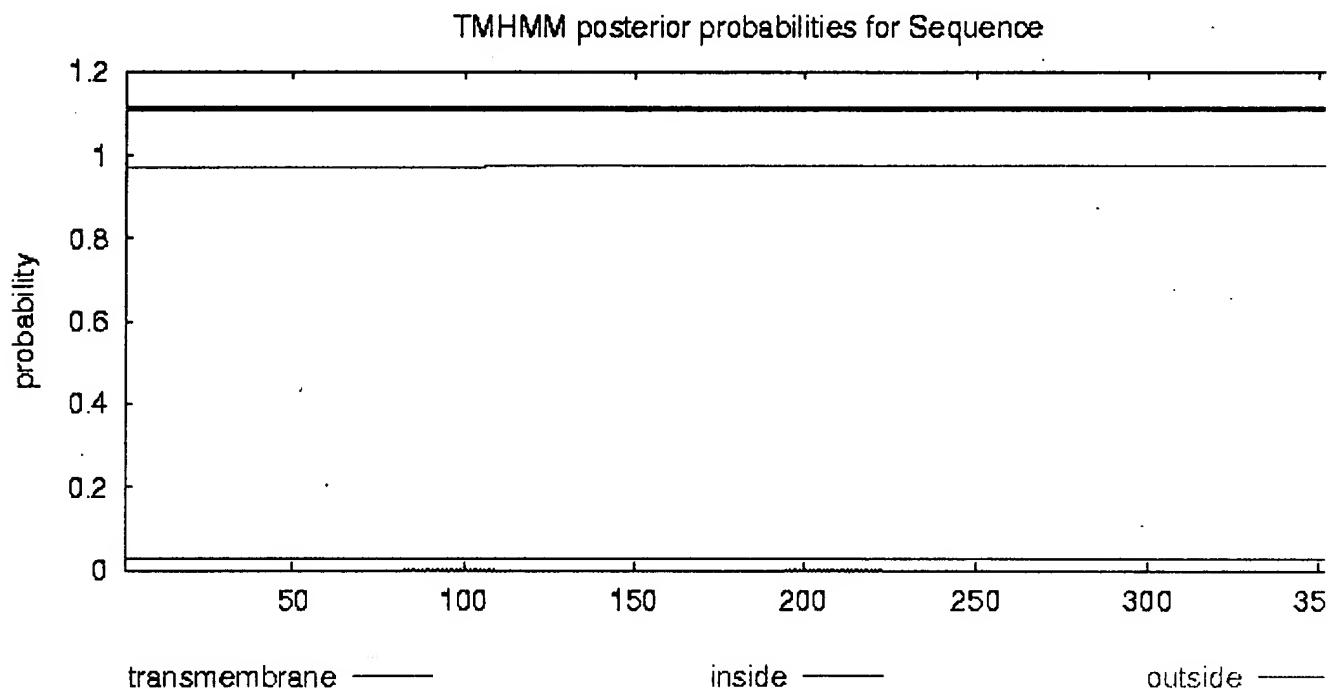
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 24**

## TMHMM result

---

```
# Sequence Length: 365
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.05231
# Sequence Exp number, first 60 AAs: 0.00232
# Sequence Total prob of N-in: 0.02720
Sequence      TMHMM2.0      outside      1      365
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

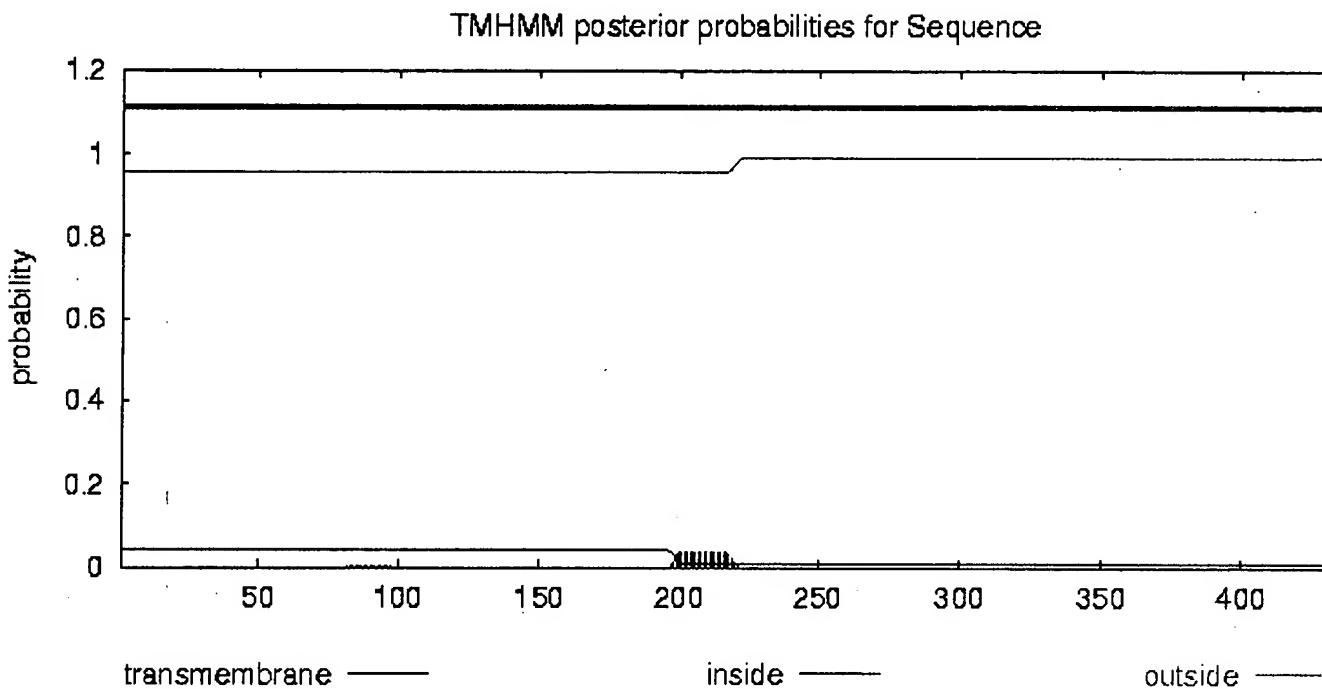
---

**FIG. 25**

## TMHMM result

---

```
# Sequence Length: 445
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.77834
# Sequence Exp number, first 60 AAs: 0.00073
# Sequence Total prob of N-in: 0.04163
Sequence      TMHMM2.0      outside      1      445
```



---

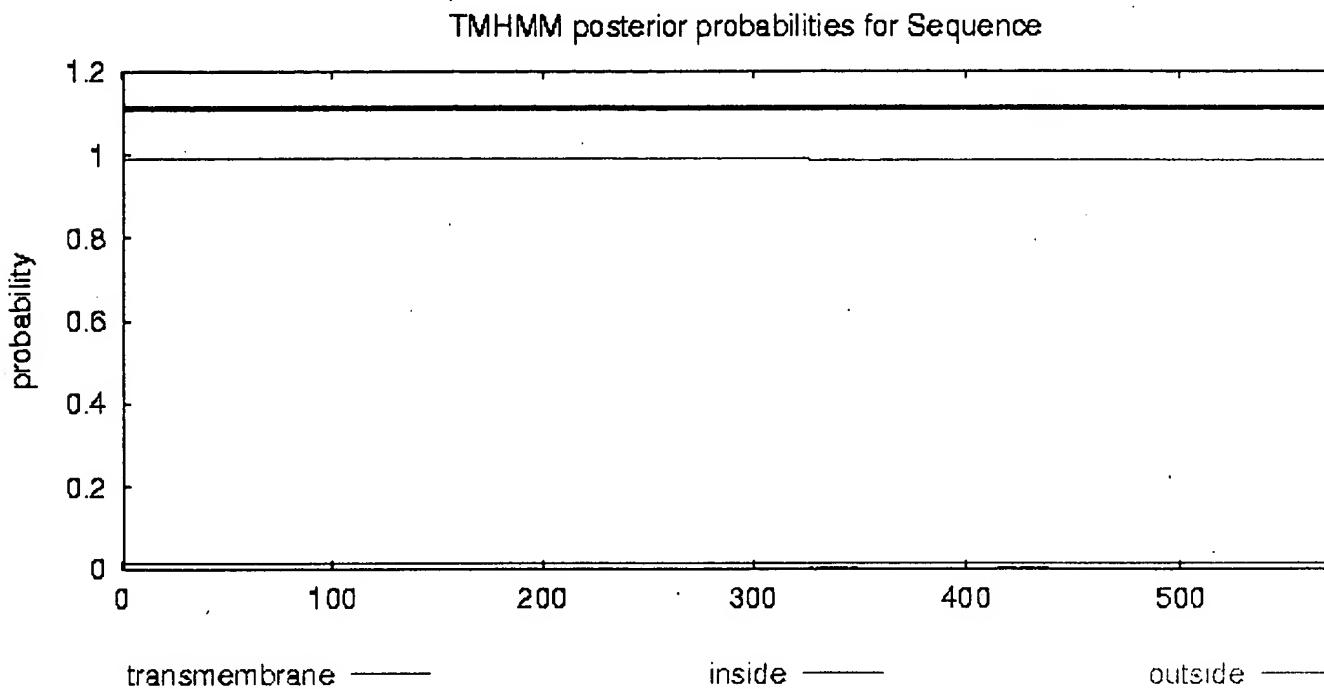
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

---

**FIG. 26**

# TMHMM result

```
# Sequence Length: 591
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.13779
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.01130
Sequence      TMHMM2.0      outside      1      591
```



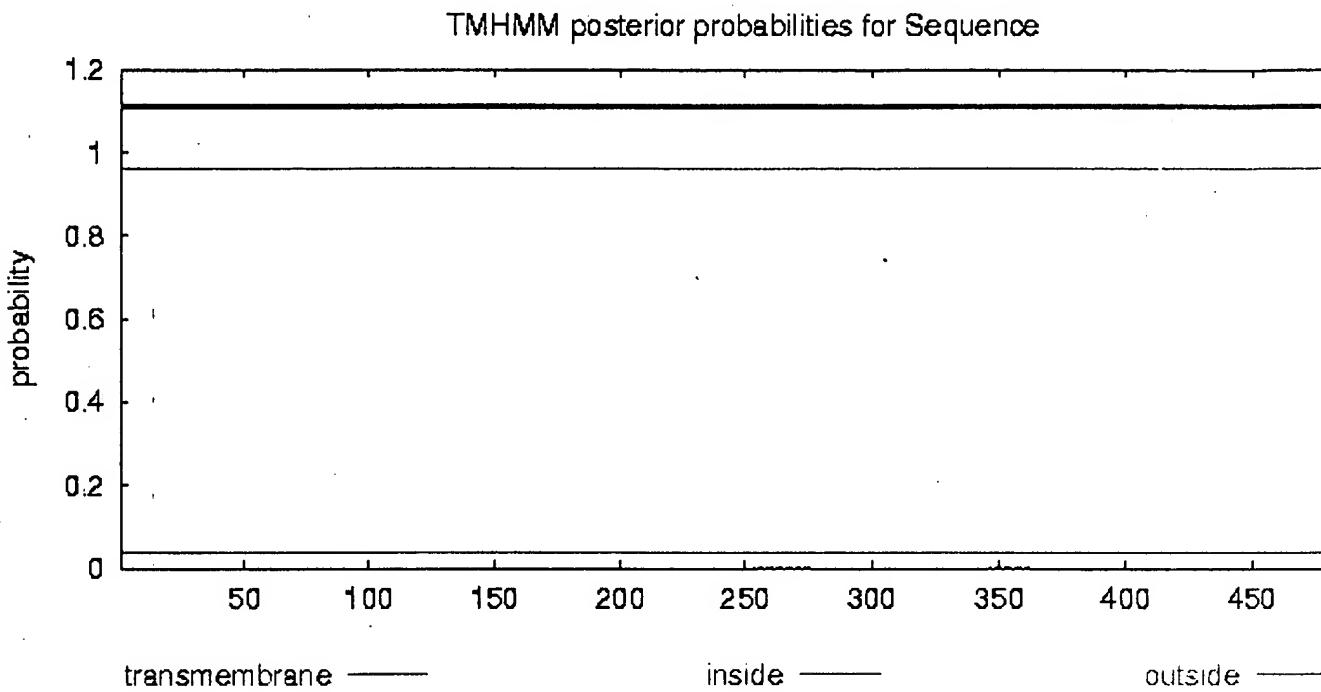
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 27**

# TMHMM result

---

```
# Sequence Length: 496
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.01706
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.03793
Sequence      TMHMM2.0      outside      1      496
```



---

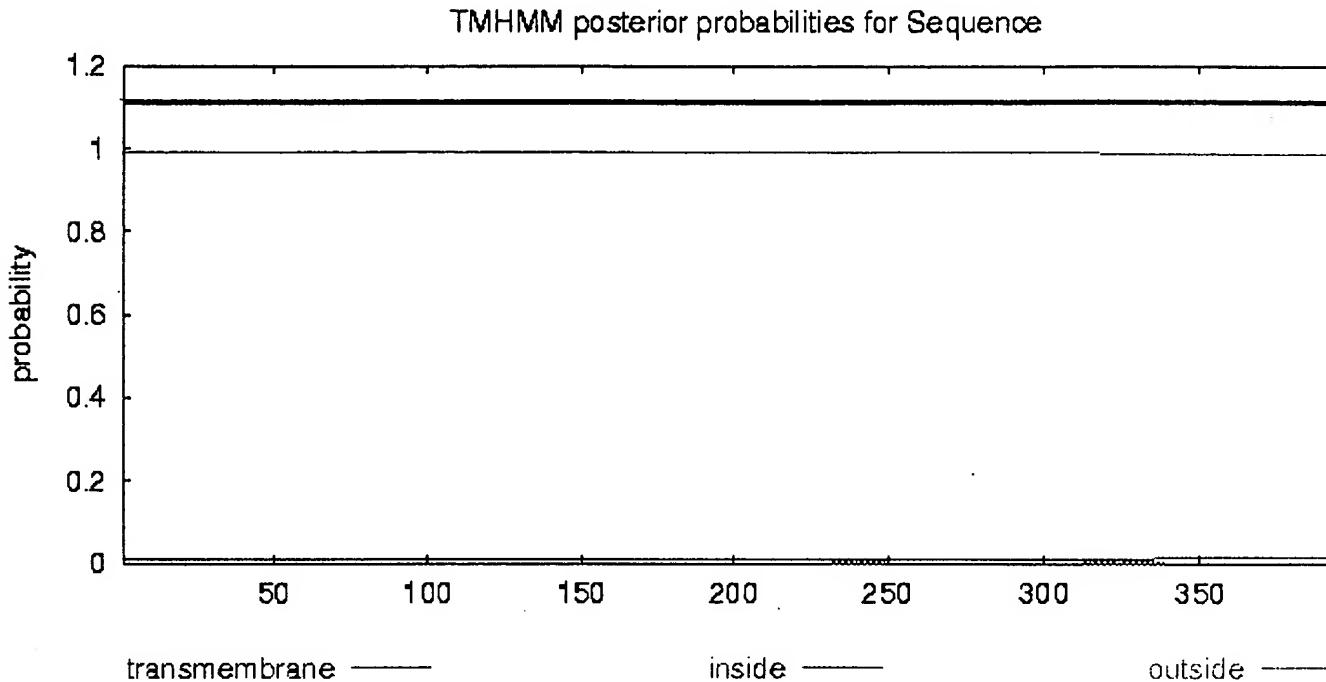
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

---

**FIG. 28**

# TMHMM result

```
# Sequence Length: 406
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.08474
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00877
Sequence      TMHMM2.0      outside      1      406
```



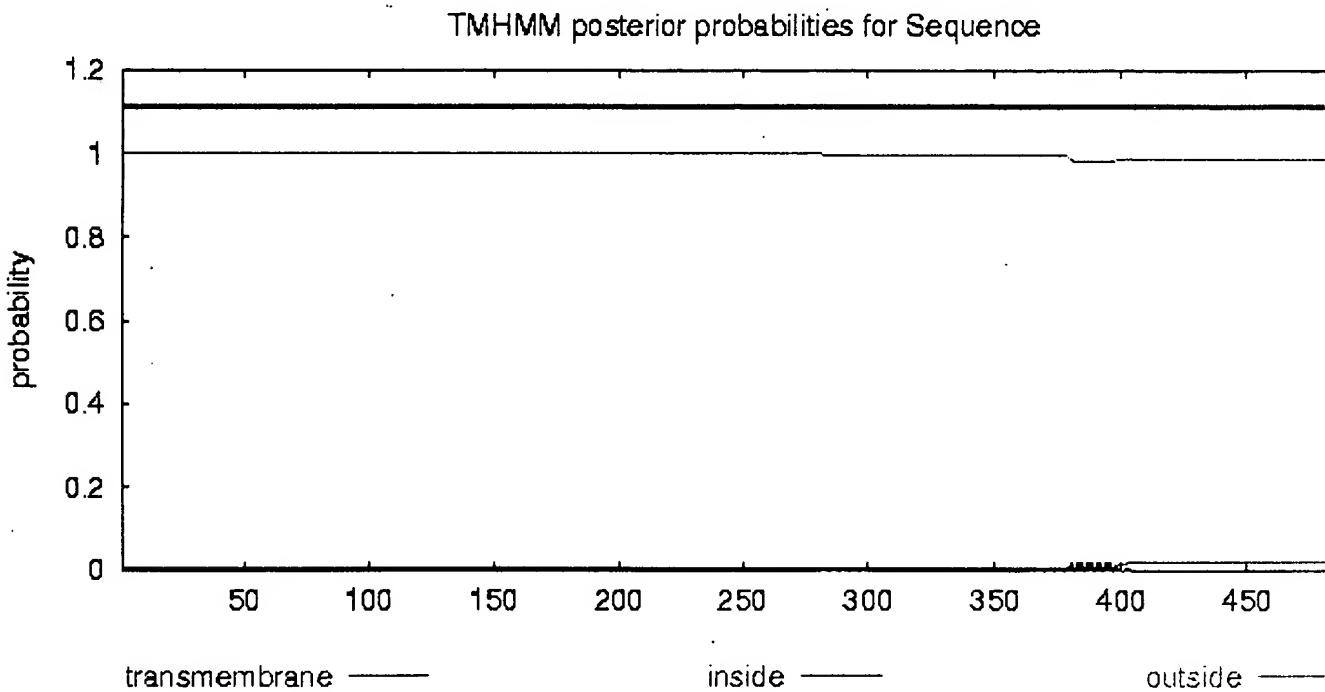
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 29**

# TMHMM result

---

```
# Sequence Length: 499
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.33541
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00211
Sequence      TMHMM2.0      outside      1      499
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

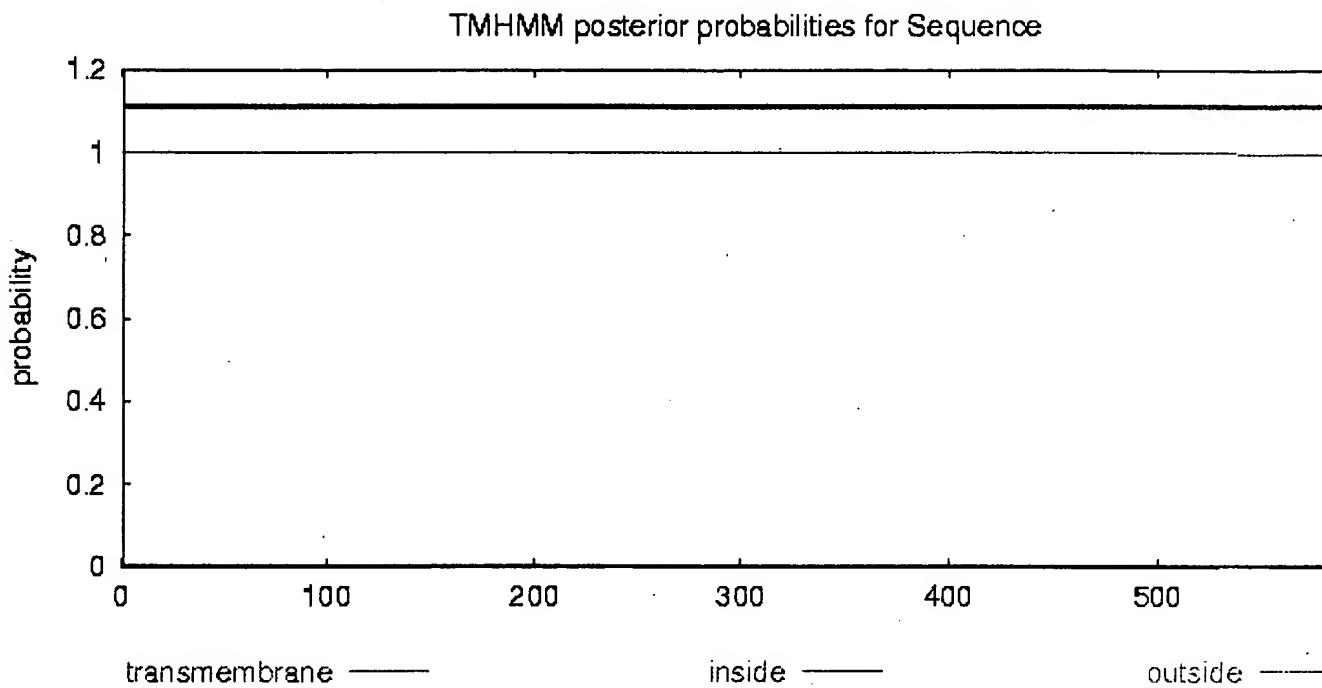
---

**FIG. 30**

# TMHMM result

---

```
# Sequence Length: 603
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.04215
# Sequence Exp number, first 60 AAs: 0.00073
# Sequence Total prob of N-in: 0.00090
Sequence      TMHMM2.0      outside      1      603
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

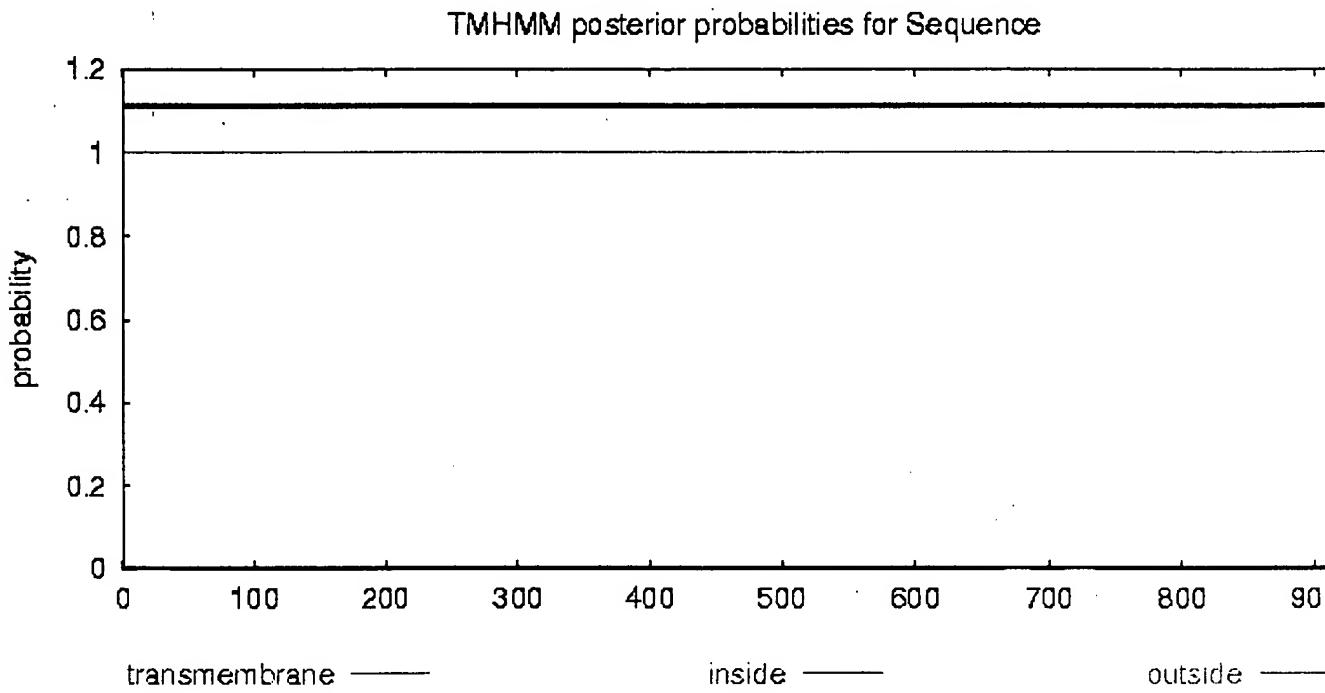
---

**FIG. 31**

# TMHMM result

---

```
# Sequence Length: 942
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.02679
# Sequence Exp number, first 60 AAs: 0.01407
# Sequence Total prob of N-in: 0.00069
Sequence      TMHMM2.0      outside      1      942
```



---

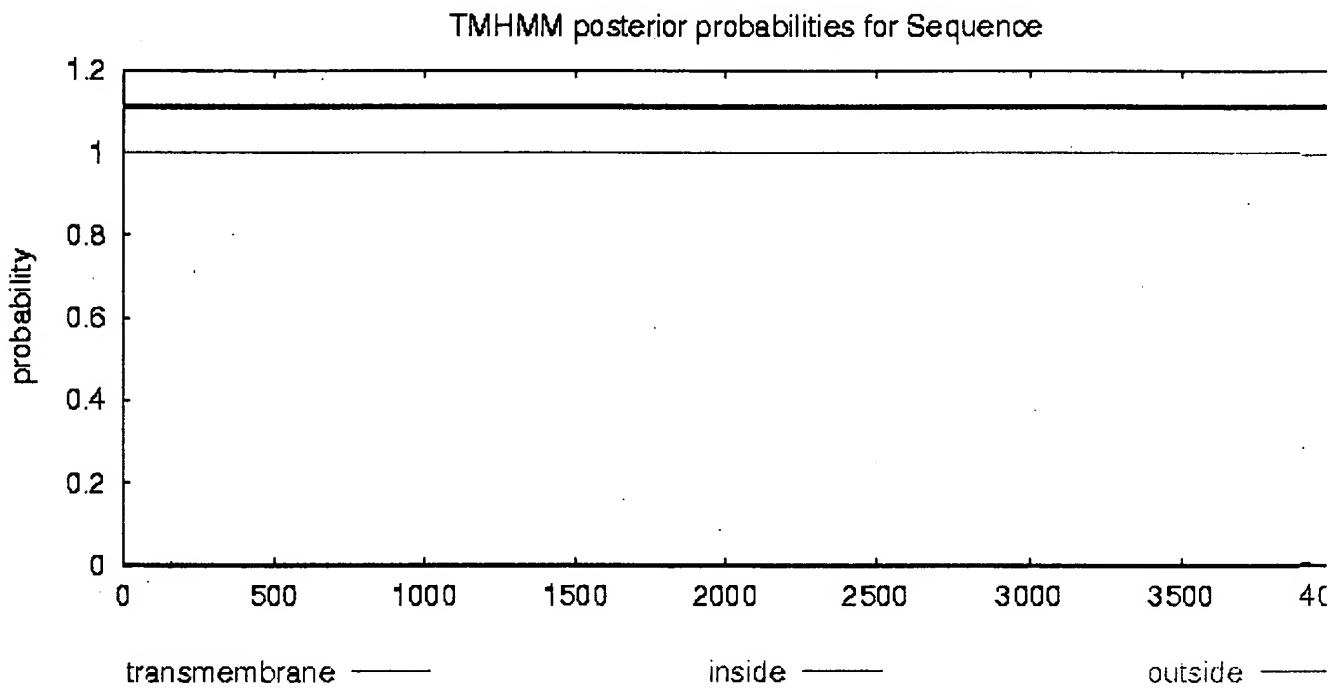
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 32**

# TMHMM result

---

```
# Sequence Length: 4128
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.28046
# Sequence Exp number, first 60 AAs: 0.0256
# Sequence Total prob of N-in: 0.00147
Sequence          TMHMM2.0      outside      1  4128
```



---

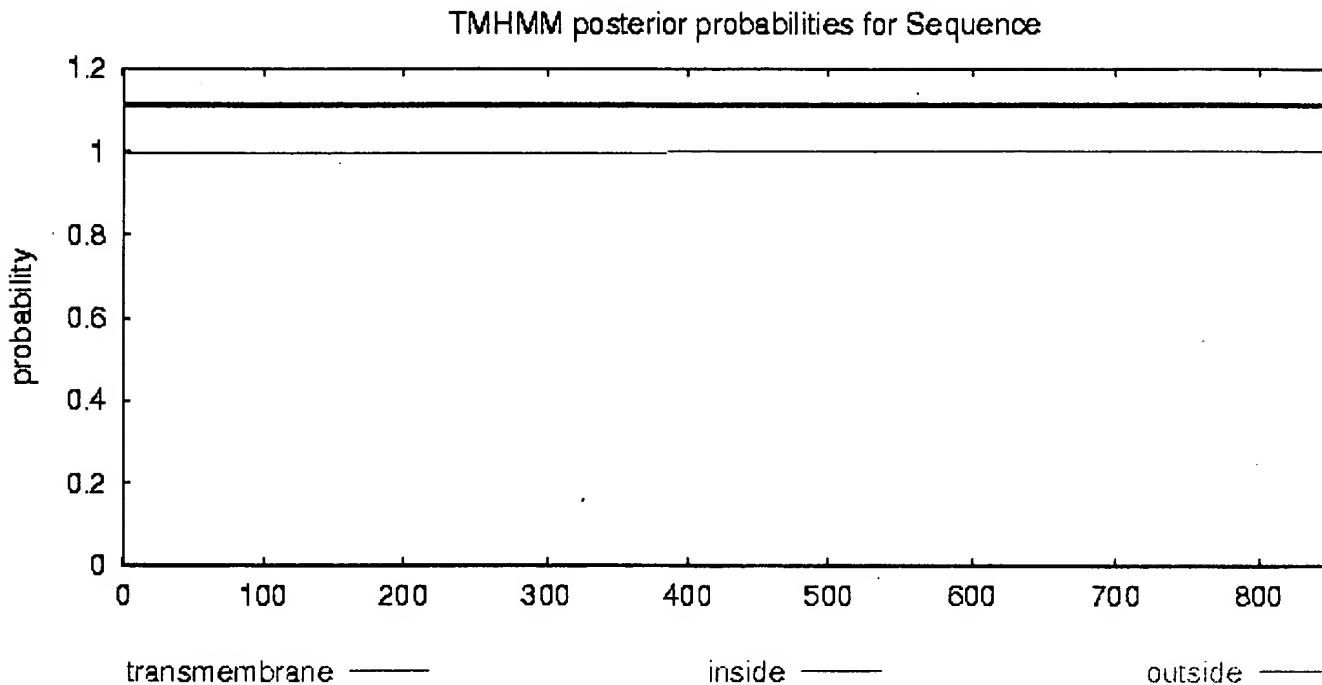
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 33**

# TMHMM result

---

```
# Sequence Length: 879
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.12402
# Sequence Exp number, first 60 AAs: 3e-05
# Sequence Total prob of N-in: 0.00371
Sequence      TMHMM2.0      outside      1      879
```



---

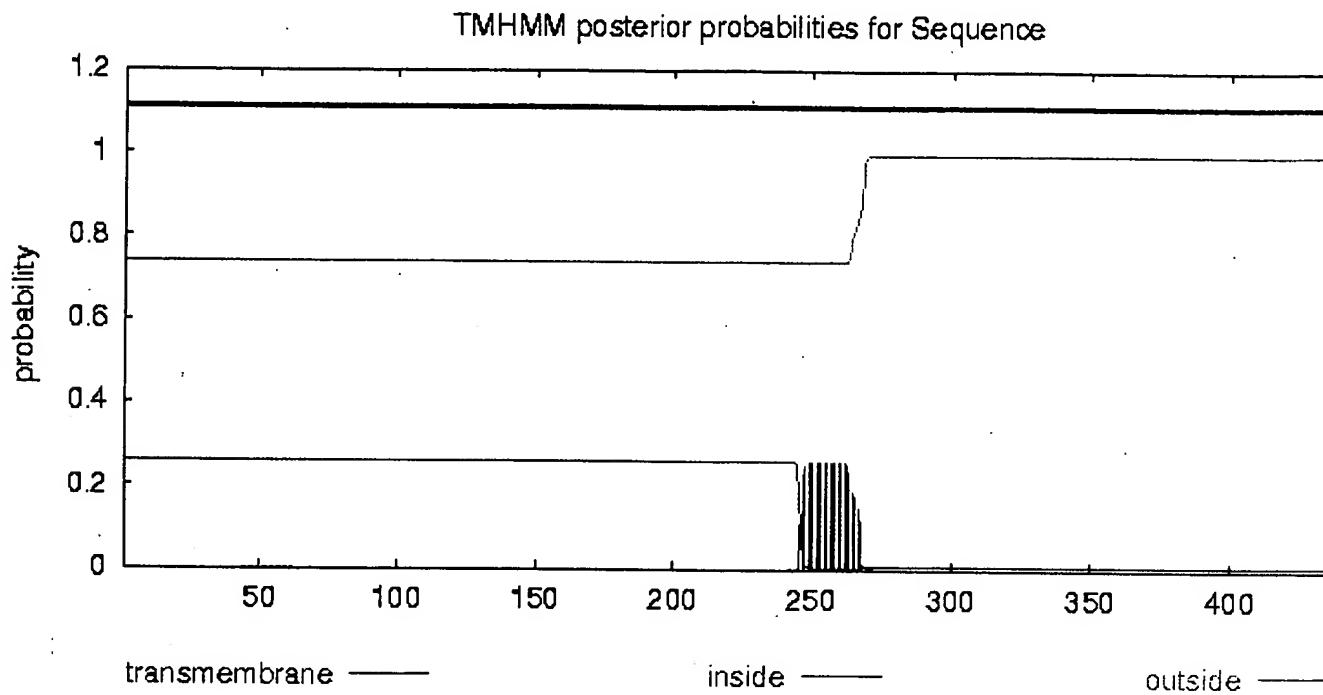
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 34**

# TMHMM result

---

```
# Sequence Length: 451
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 5.35878
# Sequence Exp number, first 60 AAs: 0.00342
# Sequence Total prob of N-in: 0.25935
Sequence      TMHMM2.0      outside      1      451
```



---

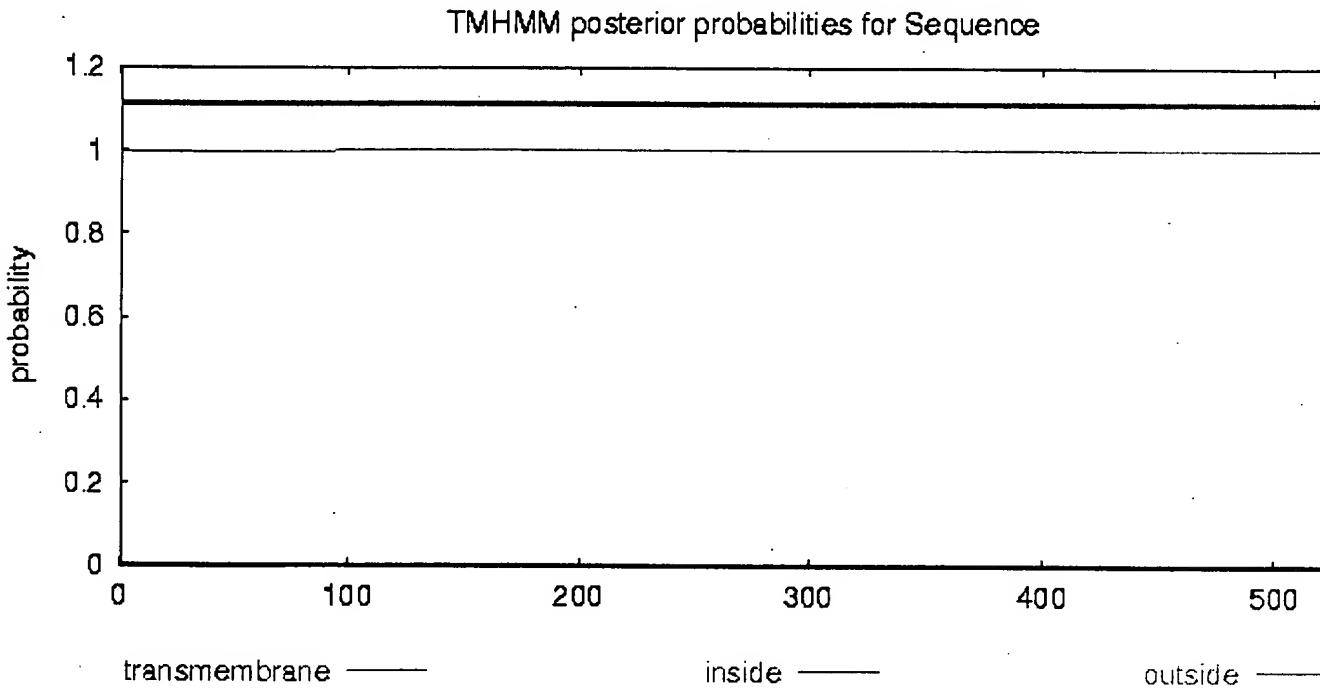
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 35**

# TMHMM result

---

```
# Sequence Length: 540
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.03206
# Sequence Exp number, first 60 AAs: 0.00017
# Sequence Total prob of N-in: 0.00248
Sequence      TMHMM2.0      outside      1      540
```



---

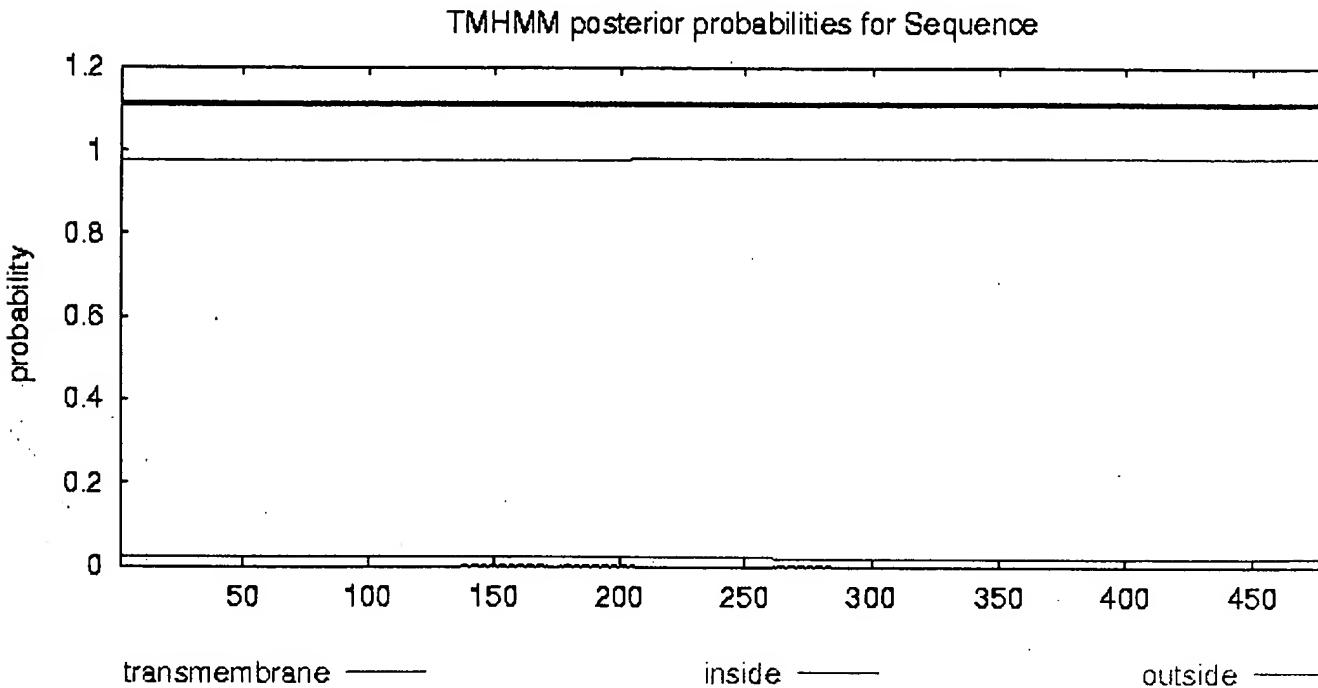
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 36**

# TMHMM result

---

```
# Sequence Length: 495
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.13163
# Sequence Exp number, first 60 AAs: 0.00018
# Sequence Total prob of N-in: 0.02398
Sequence TMHMM2.0 outside 1 495
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

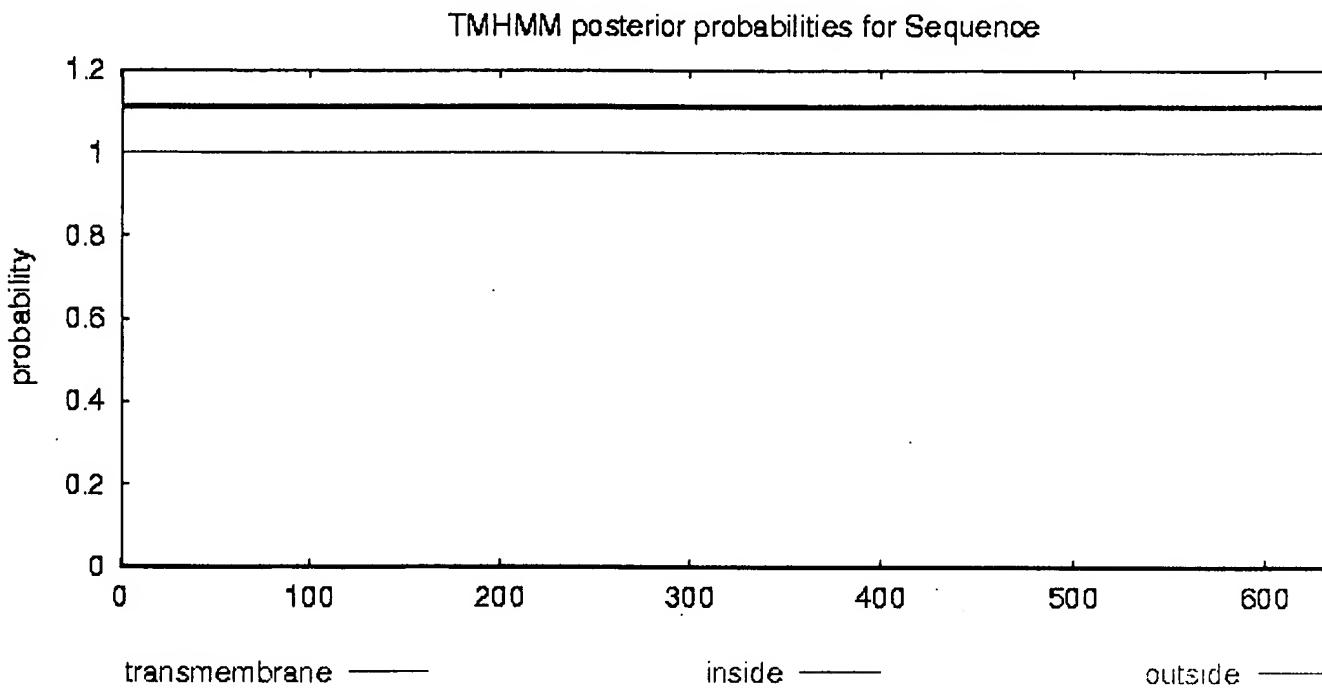
---

**FIG. 37**

# TMHMM result

---

```
# Sequence Length: 654
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.02069
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.00141
Sequence      TMHMM2.0      outside      1      654
```



---

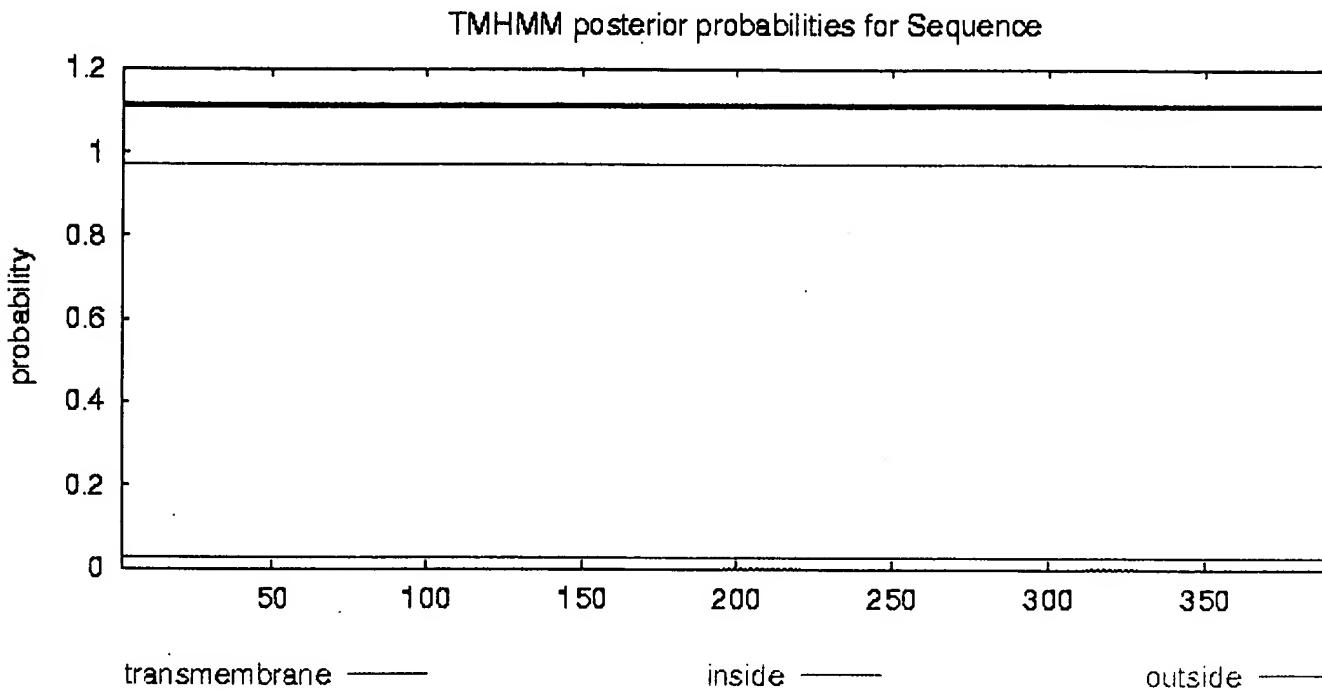
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 38**

# TMHMM result

---

```
# Sequence Length: 403
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.01894
# Sequence Exp number, first 60 AAs: 0.00016
# Sequence Total prob of N-in: 0.02901
Sequence      TMHMM2.0      outside      1      403
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

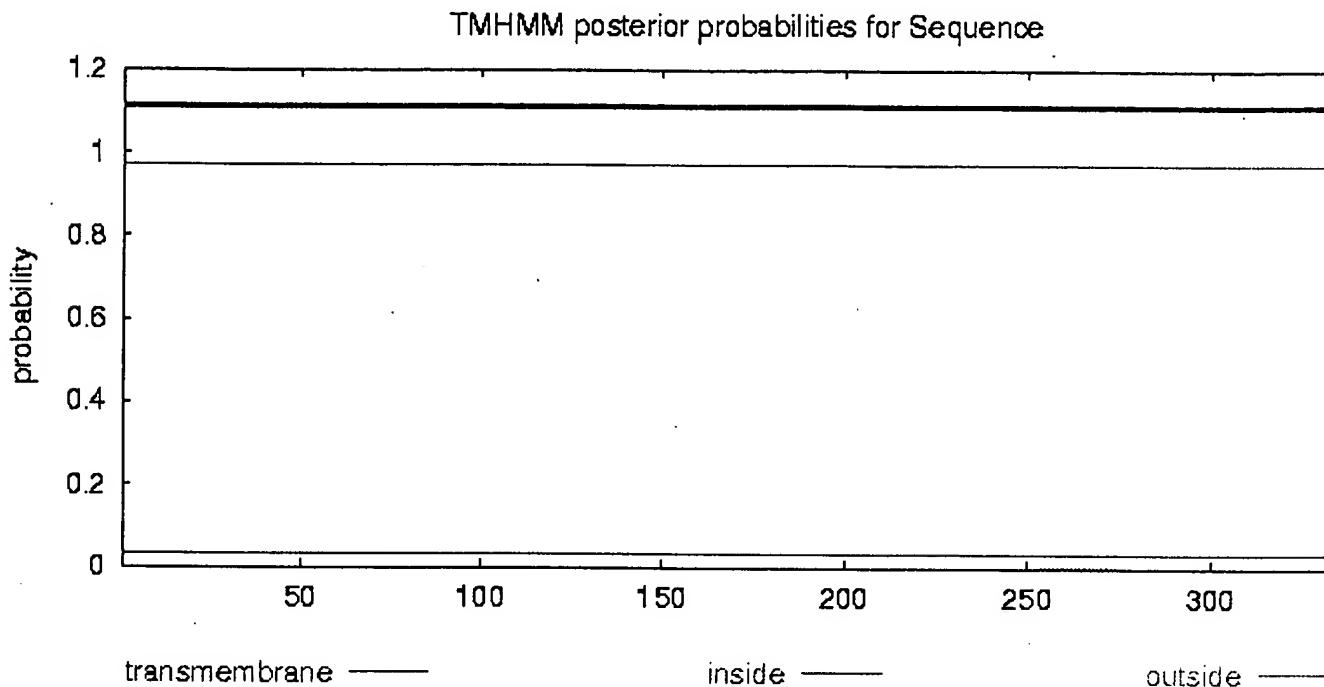
---

**FIG. 39**

# TMHMM result

---

```
# Sequence Length: 344
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.00656
# Sequence Exp number, first 60 AAs: 0
# Sequence Total prob of N-in: 0.03051
Sequence      TMHMM2.0      outside      1      344
```



---

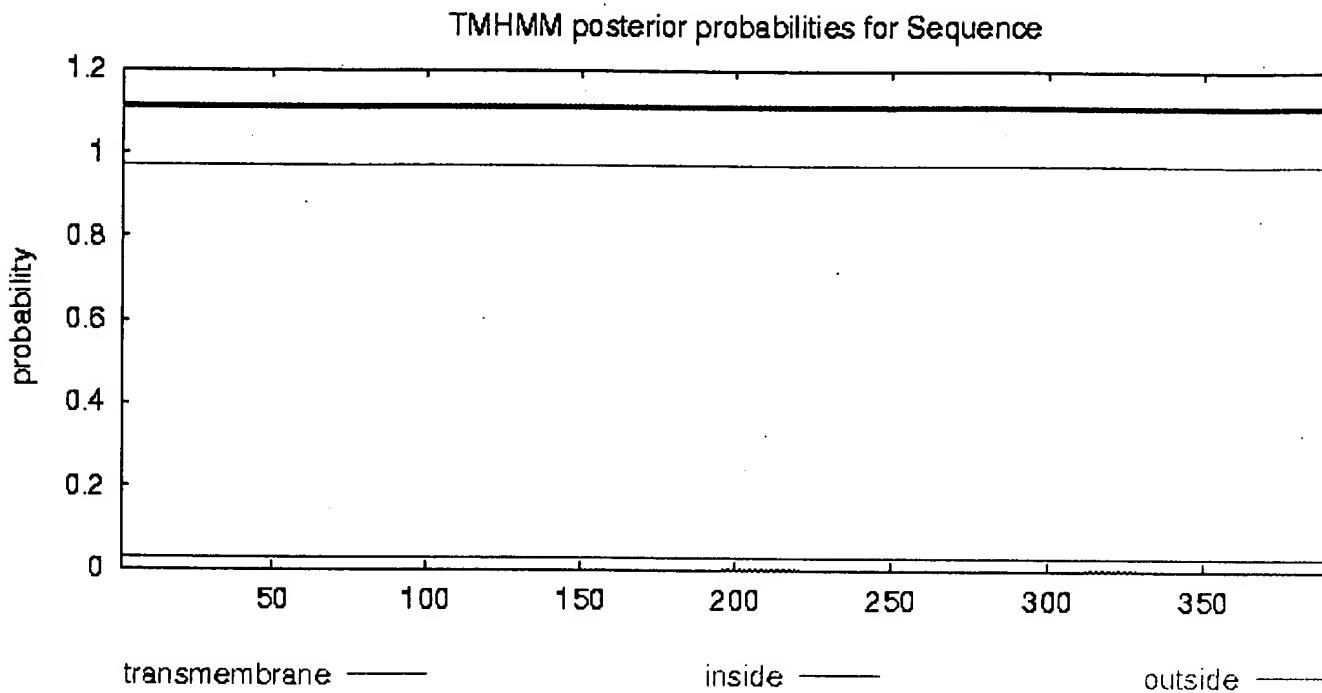
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

---

**FIG. 40**

# TMHMM result

```
# Sequence Length: 403
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.01898
# Sequence Exp number, first 60 AAs: 0.0002
# Sequence Total prob of N-in: 0.02901
Sequence      TMHMM2.0      outside      1      403
```



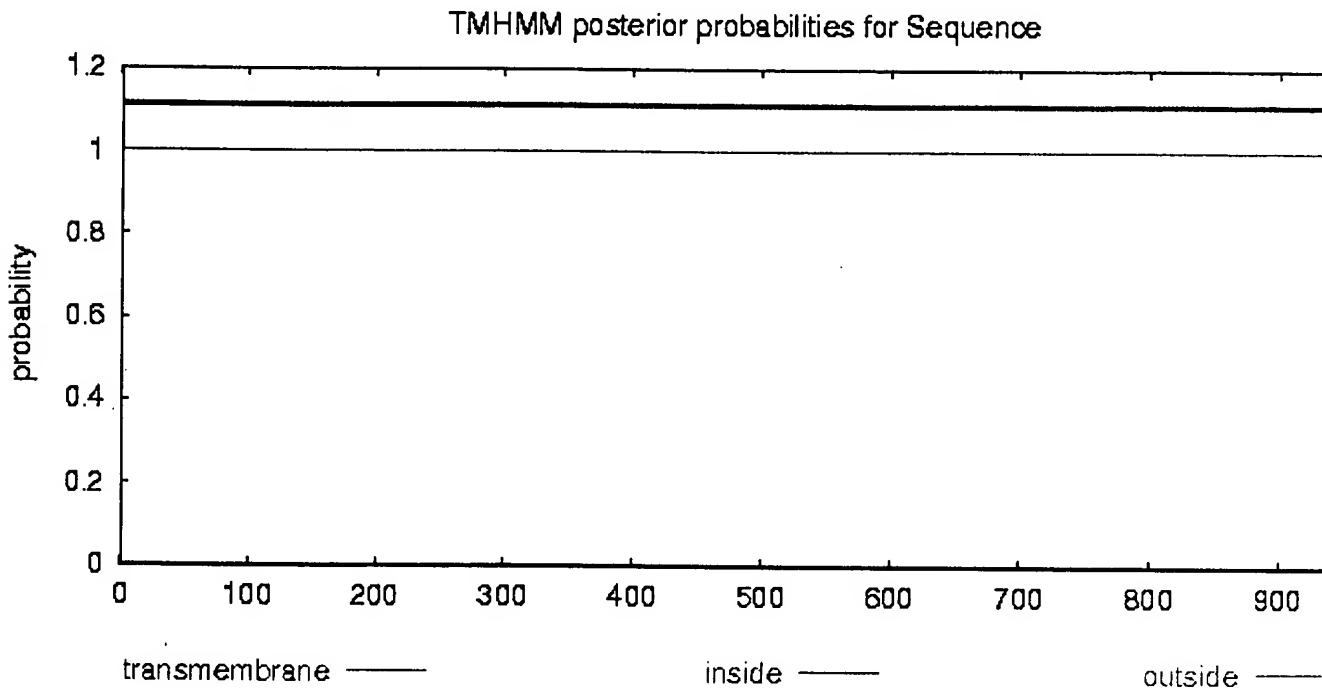
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 41**

# TMHMM result

---

```
# Sequence Length: 970
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.027
# Sequence Exp number, first 60 AAs: 0.00569
# Sequence Total prob of N-in: 0.00135
Sequence      TMHMM2.0      outside      1      970
```



---

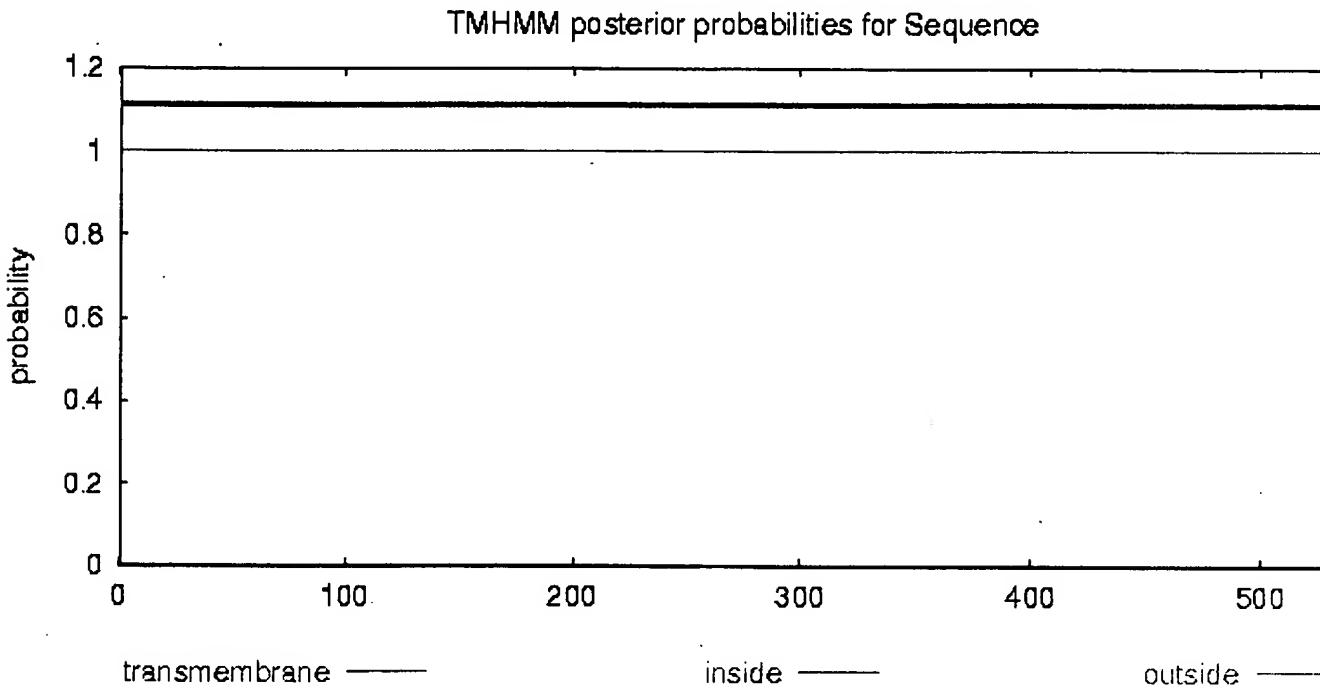
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 42**

# TMHMM result

---

```
# Sequence Length: 547
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.04084
# Sequence Exp number, first 60 AAs: 0.01807
# Sequence Total prob of N-in: 0.00177
Sequence      TMHMM2.0      outside      1      547
```



---

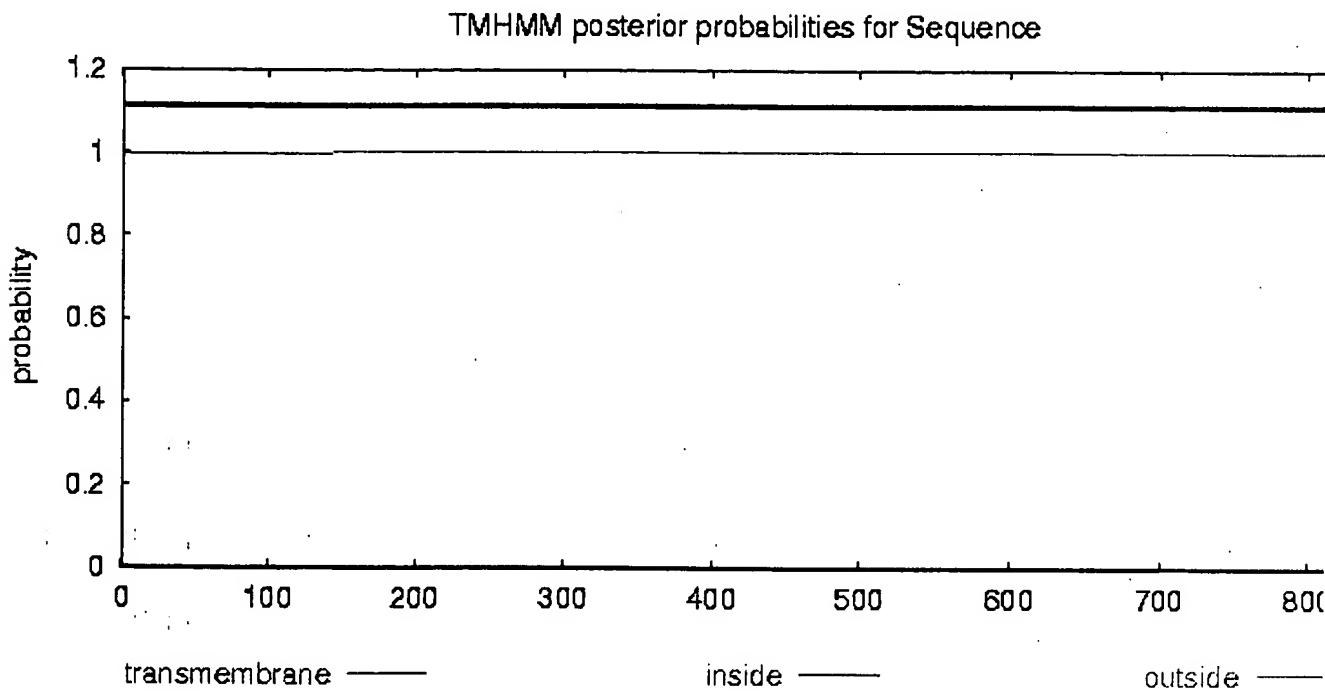
```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

**FIG. 43**

# TMHMM result

---

```
# Sequence Length: 841
# Sequence Number of predicted TMHs: 0
# Sequence Exp number of AAs in TMHs: 0.0482
# Sequence Exp number, first 60 AAs: 0.00043
# Sequence Total prob of N-in: 0.00322
Sequence      TMHMM2.0      outside      1      841
```



---

```
# plot in postscript, script for making the plot in gnuplot, data for plot
```

---

**FIG. 44**